ALL COURSES - SCHOOL OF DENTISTRY - DDS

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CPD 111. Interpersonal Relationships and Communication. 2 credits. FA
To assist in their orientation and adjustment to professional education, freshmen will participate in group introductions followed by discussions on interpersonal relationships. Communication styles, time management, problem solving, dealing with stress, and understanding various cultural differences will be addressed. 2S, 8W.

CPD 113. Preventive Dentistry. 2 credits. FA
The course is designed to provide foundational knowledge regarding cariology and the principles of preventive dentistry for patient care. The student will learn about and develop skills of patient and self motivation; knowledge of dental diseases and abnormalities; application of the principles of fluoridation; nutrition, home care, effective oral hygiene with reference to health promotion, disclosing agents, toothbrushing, flossing, oral physiotherapy aids, sealants, and topical fluorides.

CPD 114A. Community Dentistry Field Experience. 1 credit. FA
This course is designed to provide first-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient-centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 114B. Community Dentistry Field Experience. 1 credit. SP
This course is designed to provide first-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient-centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 121. Mindfulness and Wellbeing. 1 credit. FA
This course provides opportunity to explore techniques that support student wellbeing, integrating the Jesuit charisms of “care of the whole person” and “men and women (people) for and with others” and innovative dental education. By engaging in practices of movement, breathing, contemplation, and mindfulness, students will develop strategies for use in the practice setting to enhance professional resilience and patient wellbeing.

CPD 125. History of Dentistry. 1 credit. FA
Designed to acquaint the student with the history of dentistry from ancient times to the present. Emphasis is placed upon contributions by individuals and groups of individuals leading to the current status of dentistry in the United States. 1R, 8W.

CPD 136. Cardio-Pulmonary Resuscitation. 1 credit. SP
A formalized course in Cardio-Pulmonary Resuscitation leading to CPR certification in Basic Life Support for Health Care Providers. 1R, 3L, 1W (Split classes).

CPD 211. Ethics in the Practice of Dentistry I. 2 credits. FA
Provides an understanding of classical health care ethical principles which have direct relevance to students' training and future dental practice experience, introduction to what it means to be a professional, the dentist's role in organized dentistry and the responsibilities of leadership in oral health care. Focuses on common ethical dilemmas found in the relationships between student and dental school, between dentist and patient, between dentists themselves, and between dentist and the community.

CPD 312A. Community Dentistry Field Experience. 0.5 credits. FA
This course is designed to provide third-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE)experiences. Students participate in CBDE by providing patient centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 312B. Community Dentistry Field Experience. 0.5 credits. SP
This course is designed to provide third-year dental students with an opportunity to participate in required and selective community-based dental education (CBDE) experiences. Students participate in CBDE by providing patient centered clinical preventive services. Community-based training experiences provide students with an opportunity to learn directly about the oral health needs of various underserved populations as well as how to improve access to care.

CPD 313. Behavioral Science Aspects of Patient Care. 2 credits. FA
The course is designed to enhance the student's ability to provide person-centered care in an ever-changing world of diversity and multiculturalism. The course builds upon the student's foundational knowledge and skills regarding patient communication and dental care. Students understand and apply the principles of behavioral science as they pertain to person-centered approaches for promoting, improving, and maintaining oral health in diverse populations.

CPD 314. Cardio-Pulmonary Resuscitation. 1 credit. FA
A formalized course in Cardio-Pulmonary Resuscitation leading to CPR re-certification in Basic Life Support for Health Care Providers. 1R, 3L, 1W (Split classes).

CPD 331. Practice Planning. 2 credits. SP
This course is designed to introduce the student to practice management principles. It covers the process of staffing and running an office including internal marketing and treatment planning. Employment law as well as communication with staff, and design and function of a dental office is emphasized. The terminology that accompanies patient billing practice and the different types of insurance networks and plans will be discussed. Associateship agreements as well as commercial leasing contracts will be studied. Finally, dental entities will be introduced.

CPD 333. Public Health Dentistry. 2 credits. SP
Introduction of Dental Public Health, noting the dentist has a "primary duty of service to the public." Emphasis is placed on health promotion and education, epidemiology of oral diseases, sociology and cultural differences of the dental practice, dental public health research and prevention, clinician's responsibility to access and justice, delivery systems, financing dental care, and the social determinants of health.

CPD 402. Extramural Dental Education Program. 3 credits.

CPD 411. Business of Practice. 3 credits. FA
Designed to provide background information to assist in making informed decisions when agreeing to work as a dental associate. Employment contract language is discussed at length. The principles of purchasing a practice are explored including methods used in valuing a practice and financing the purchase of a practice. Principles are discussed for disability insurance, dental malpractice insurance and general office insurance. 1R, 8W; 2R, 8W.

CPD 412A. Community Dentistry Field Experience Clinic. 2.5 credits. FA
This course consists of required community-based dental education (CBDE) rotations for senior dental students. Students participate in CBDE by providing patient-centered clinical preventive services, adult restorative dentistry, pediatric dentistry, basic oral surgery, and management of the acute care patient. Community-based educational experiences provide students with an opportunity to learn directly about the oral health needs of vulnerable, underserved populations as well as how to improve access to oral health care.

CPD 412B. Community Dentistry Field Experience Clinic. 2.5 credits. SP
This course consists of required community-based dental education (CBDE) rotations for senior dental students. Students participate in CBDE by providing patient-centered clinical preventive services, adult restorative dentistry, pediatric dentistry, basic oral surgery, and management of the acute care patient. Community-based educational experiences provide students with an opportunity to learn directly about the oral health needs of vulnerable, underserved populations as well as how to improve access to oral health care.

CPD 413. Ethics in Dentistry II. 1 credit. FA
Students will discuss dental practice laws and licensing; impaired colleagues, peer review and whistle blowing; dental malpractice; prescription fraud and drug diversion, Medicaid or third-party fraud, patient grievances, legal and social implications for treating mentally and physically challenged individual; and quality assurance in dentistry.

CPD 415. Special Care Dentistry. 1 credit.
This course will prepare dental students to collaborate interprofessionally to evaluate and provide appropriate and comprehensive oral health care for special needs adolescents and adults with varying medical, physical and behavioral complexities in general practice upon graduation. 1R, 5W; 2R, 1W, C.

CPD 433. Financial Planning and Jurisprudence. 2 credits. SP
This course is designed to provide background information to assist in making informed decisions when agreeing to work as a dental associate. Employment contract language is discussed at length. The principles of purchasing a practice are explored including methods used in valuing a practice and financing the purchase of a practice. Principles are discussed for disability insurance, dental malpractice insurance and general office insurance.

DAR 136. Introduction to Electronic Health Record Management. 1 credit.
This preclinical course introduces the student to axiUm, the patient management system used in the Dental School clinic. Primary focus is on utilization of the electronic health record (EHR). The student will learn electronic patient form entry (EPR Form), odontogram charting, CDT procedure codes, and treatment note entry with an emphasis on preparing the student for the spring and summer periodontics courses and fall clinic rotation in oral diagnosis. Clinic.

DAR 211. Infectious Disease Control in Dentistry. 2 credits. FA
This course will teach the selection and use of procedures and products to prevent the spread of infectious diseases based on scientific data and recommendations by professional organizations and governmental agencies. The basic principles of infection control and their application in the dental health care setting will be applied. The course is designed to provide guidelines for universal standard precautions and the use of aseptic techniques to protect patients and providers with an overview of the management of bloodborne infectious diseases, tuberculosis, and other infectious diseases. Application of the students' fundamental knowledge of oral pathology, microbiology, public health, and oral diagnosis will be necessary for critical thinking as applied to actual and/or hypothetical clinical situations.

DAR 214. Radiology and Dental Assisting. 4 credits. FA
This course will provide hands-on instruction regarding imaging principles and various techniques of digital intra/extra oral radiography. Instruction will focus on the projection geometry of paralleling angle technique. Students will learn infection control, quality assurance, and recognition and prevention of radiographic pitfalls on a Dexter model. Sophomore students in this entry-level, clinically-oriented course will also be assisting juniors/seniors with oral diagnosis and prophylaxis procedures. In addition, students will participate in radiographic interpretation in the clinic of full mouth and panoramic images in order to be able to diagnose common dental pathologies such as caries and periodontal disease.

DAR 215. Oral Diagnosis. 2 credits. FA
Lectures designed to acquaint the preclinical student with the fundamentals of the interview, the principles and procedures of clinical examination, the methods of identifying oral diseases, and the rationale for oral therapy. Following the correlation of facts obtained, the formulation of a diagnosis, prognosis and treatment plan is made. This is accompanied by a clinical introduction of students to the treatment of patients in clinical setting, including the principles of clinical examination, dental hygiene procedures and infection control. 1R, 16W; 4C, 2W (Clinic sessions are split classes).

DAR 216. axiUm Training Lab. 2 credits.
This course introduces the student to axiUm, the patient management system used in the Dental School clinic. Primary focus is on utilization of the electronic health record (EHR). The student will learn electronic patient form entry (EPR Form), odontogram charting, periodontal charting, modification of CDT procedure codes, treatment planning and treatment note entry with an emphasis on preparing the student for the summer periodontics courses and fall clinic rotation in oral diagnosis. Clinic.

DAR 217. Radiology Lecture. 4 credits.
This course will consist of: Basic principles of radiation physics, biology, protection, geometry, and technique. Radiographic anatomy. Recognition of common pathology including inflammatory disease, caries, and periodontal disease. Also develop an understanding of radiographic prescription following the ADA guidelines. A basic discussion of advanced imaging will also be presented. Principles of radiographic interpretation will be covered and discussed.

DAR 219. General Pathology. 9 credits. FA
This course teaches the basic principles of general and systemic pathology, concentrating on the etiology, pathogenesis and applications to dentistry. Systemic diseases with oral considerations are stressed and actual clinical case histories are utilized whenever appropriate. 3R, 7W; 3R, 16W.

DAR 232. Oral Hygiene and Recall Clinic. 1 credit. SP
This clinical patient care course is the companion of the first semester lecture course, DAR 215. And serves to reinforce skills learned in PER 212. This course develops skills in diagnosis, the principles of patient evaluation, examination, prophylaxis, fluoride treatment, oral health instruction, and when indicated how to complete a recall treatment plan. When not assigned a recall patient in this block assignment students will either assist their partner, a 3'd or 4th yr student.

DAR 235. Oral Pathology. 7 credits. SP
This course is designed to present etiologic, basic histopathologic, and clinical information of diseases that commonly manifest in the oral cavity and the head and neck regions. Prognosis and treatment of these diseases will be stressed. Heavy emphasis will be placed on clinical recognition and differential diagnoses. 4R, 16W.

DAR 313. Radiographic Interpretation. 3 credits. FA
The course deals with the basic principles of radiographic interpretation of oral and maxillofacial pathologies. The radiographic features of the various common oral and maxillofacial pathologies will be dealt in detail. Basics of Cone Beam CT will also be covered.

DAR 314A. Oral Diagnosis and Treatment Planning Clinic. 1.5 credit. FA
This course is designed to provide clinical experience in oral diagnosis, radiology, treatment planning, oral hygiene and assessment of treatment outcomes. An integral aspect of this course is the opportunity to apply and integrate the knowledge and principles learned in the classroom courses in oral diagnosis, oral medicine, oral pathology, and oral radiology to individual patients in clinical situations. The students is guided in the collection and analysis of acceptable treatment options for each patient. C.

DAR 314B. Oral Diagnosis and Treatment Planning Clinic. 1.5 credit. SP
This course is designed to provide clinical experience in oral diagnosis, radiology, treatment planning, oral hygiene and assessment of treatment outcomes. An integral aspect of this course is the opportunity to apply and integrate the knowledge and principles learned in the classroom courses in oral diagnosis, oral medicine, oral pathology, and oral radiology to individual patients in clinical situations. The students is guided in the collection and analysis of acceptable treatment options for each patient. C.

DAR 315. Dental Management of Medically Complex Patients. 2 credits. FA
This course is designed to enhance the students' understanding of medical conditions, the recognition of compromised states, and the subsequent modifications to dental care to prevent adverse side effects from procedures and drugs used in dentistry. Emphasis is placed on analyzing findings from patient histories, signs and symptoms, writing appropriate medical consultations and formulating treatment plans that are compatible with a patient's medical status. 1R, 16W.

DAR 318. Radiographic Interpretation Clinic. 1 credit. FA
This course will be composed of small group teaching to interpret intraoral complete series (FMX) and panoramic radiographs (PAN). Students will be assigned to a clinical block rotation for each series. In the panoramic seminar students will learn to recognize radiographic anatomical structures, especially soft tissues of the palate, tongue, and pharynx. Common artifacts such as ghosts and air spaces will also be demonstrated. In addition, caries, periodontal, apical and bone pathology including TMJs, will be assessed. Students will provide structured written radiographic reports to include labeling of anatomy, image quality, irradiation geometry, disease changes between serial radiographs and treatment plans. In the intraoral complete series, quality assurance of the radiographs will be reviewed, as well as the identification of anatomy, and the disease processes present. Diagnosis of disease and the formulation of treatments plans will be discussed.

DAR 318A. Radiographic Interpretation Clinic. 0.5 credits. FA
This course will be composed of small group teaching of 4 students for 2 hours during which time the interpretation of intraoral and panoramic radiographs will occur. Each student will present one case. Students will learn to recognize radiographic anatomical structures, especially soft tissues of the palate, tongue, and pharynx. Common artifacts such as ghosts and air spaces will also be demonstrated. In addition, caries, periodontal, apical and bone pathology including TMJs, will be assessed. Students will provide structured written radiographic reports to include labeling of anatomy, image quality, irradiation geometry, and disease changes between seral radiographs. C.

DAR 331. Temporomandibular Disorders/Orofacial Pain. 2 credits. SP
This lecture course is an introduction to the classification, examination, diagnosis, and management of temporomandibular and orofacial pain disorders. The translational approach of the course will include anatomy, physiology and radiology of the head and neck with an understanding of the normal functioning of the masticatory system. Clinical evaluation techniques to determine areas of dysfunction and disorders of the head and neck will be utilized. Management principles of orofacial pain patients with various treatment scenarios will be examined, including occlusal appliance therapy in the management of parafunctional habits and temporomandibular disorders.

DAR 403. The Spiritual Mystery of Dentistry. 1 credit.
Man (male and female) and creation (the material world) are created in the image and likeness of God. Therefore, the spiritual is made visible in the material. What man does to the material world is the template for God transforming man. Learn the basic principles of the spiritual life and how they are similar to the basic principles of dental treatment. P. Senior Standing.

DAR 405. Teaching Assistantship in Axium Training. 5 credits.
In the Axium lab, students are required to input information on several fictitious patients and learn to navigate through all the forms and idiosyncrasies of the Axium program. It is a very hands-on course and requires the teaching assistant to move to each student's computer station to answer questions and solve problems. P. DAR 216.

DAR 406. Partial Coverage Restorations - A Lost Art?. 1 credit.
A one hour lecture on the basics of partial coverage restorations (inlays, onlays, 3/4 crowns) followed by the preparation of a mounted tooth. Learn how "old school" conservative preparations have their place in the modern CAD/CAM world. Students would need to prepare by mounting posterior teeth, preferably molars, in plaster.

DAR 412A. Senior Service Learning Clinic. 2.5 credits. FA
Provides the dental student with an opportunity to apply motivational and instructional techniques regarding patient dental education through community field experience. F.

DAR 412B. Senior Service Learning Clinic. 2.5 credits. SP
Provides the dental student with an opportunity to apply motivational and instructional techniques regarding patient dental education through community field experience. F.

DAR 413. Oral Pathology. 2 credits. FA
This course is designed to review and refine critical thinking skills that are necessary in diagnosing common diseases that involve the oral cavity and the head and neck regions. Clinical recognition of orofacial lesions and the continued development of reasonable and sound differential diagnoses will be the central theme. 1R, 16W.

DAR 414A. Oral Diagnosis and Treatment Planning Clinic. 1 credit. FA
The student applies accepted concepts and procedures of examination, problem identification, outcomes assessment, diagnosis and treatment planning, stating concisely the therapeutic measures that will constitute satisfactory therapy. The student provides patient education and home care instructions and performs coronal and subgingival scaling, prophylaxis and fluoride treatment. C.

DAR 414B. Oral Diagnosis and Treatment Planning Clinic. 1 credit. SP
The student applies accepted concepts and procedures of examination, problem identification, outcomes assessment, diagnosis and treatment planning, stating concisely the therapeutic measures that will constitute satisfactory therapy. The student provides patient education and home care instructions and performs coronal and subgingival scaling, prophylaxis and fluoride treatment. C.

DAR 418. Head and Neck Cancer Screening Clinic. 1 credit. FA
This is an inter-professional course for medical and dental students at Creighton University. This course will emphasize the different approaches that can be utilized during an intra/extra oral head and neck examination from an Ear, Nose and Throat/Head and Neck Cancer Surgeon's perspective.This course will also emphasize the diagnosis and treatment of intra/extra oral neoplasms of the head and neck from both a medical and dental perspective. Finally, dental, and medical treatment options will be discussed along with their medical and dental ramifications. This course will involve head and neck examinations on dental school patients on an as needed basis.

DAR 418A. Head and Neck Cancer Screening Clinic. 0.5 credits. FA
This is an inter-professional course for medical and dental students at Creighton university. It will emphasize the different approaches that can be utilized during an intra-extra oral head and neck examination from an ear, nose and throat/head and neck cancer surgeon's perspective. This course will also emphasize the diagnosis and treatment of intra/extra oral neoplasms of the head and neck from both a medical and dental perspective. Finally, dental and medical treatment options will be discussed along with their medical and dental ramifications. This course will involve head and neck examinations on dental school patients on a need basis.

END 213. Pulp Biology / Endodontics. 2 credits. FA
Histology, physiology and functions of the pulp as well as the disease processes that involve the pulp and periradicular tissues. 1R, 16W.

END 233. Endodontic Techniques. 2 credits. SP
Basic principles of endodontics including diseases of the pulp and periapical tissues, diagnosis and treatment procedures, prognosis, bleaching, and restoration of endodontically treated teeth. 1R, 16W.

END 234. Endodontics Laboratory. 3 credits. SP
Practical application of endodontic treatment procedures and principles performed on plastic and natural teeth mounted in stone to simulate clinical practice. 3L, 16W.

END 313. Endodontic Problem Solving. 2 credits. FA
Problem solving techniques and procedures including the management of endodontic emergencies, endodontic and periodontic problems, vital pulp therapy, traumatic injuries, and other endodontic problems. 1R, 16W.

END 314A. Endodontic Clinic. 2 credits. FA
Clinical practice of non-surgical endodontics involving the adult dentition. A wide variety of experiences using current clinical methods, technology and materials. C.

END 314B. Endodontic Clinic. 2 credits. SP
Clinical practice of non-surgical endodontics involving the adult dentition. A wide variety of experiences using current clinical methods, technology and materials. C.

END 403. Growling Molars and Roaring Restorations. 1 credit.
This course will discuss animal dentistry. It will feature both restorative and endodontic procedures.

END 405. Endodontics In Your Private Practice. 1 credit.
This course will discuss the following:Informed consent to include full disclosure of findings and treatment options as well as proper documentation. The required detail of treatment records and recommended longevity. Vital pulp therapy to include indications, success/failure, procedures, and consequences. Cone beam CT to include when to use it, what it can show, legal aspects of its use, and example cases.

END 407. Introduction to Dental Education - Endodontic Teaching Assistantship. 5 credits.

END 413. Advanced Endodontics, Surgery And Review. 2 credits. FA
General review of endodontics emphasizing advanced clinical techniques, pain management, surgical endodontics and new trends in the field of endodontic therapy. 2R, 8W.

END 414A. Endodontic Clinic. 2 credits. FA
Clinical practice of endodontics. Senior students, working with an increased degree of independence, are expected to complete a variety of cases. C.

END 414B. Endodontic Clinic. 2 credits. SP
Clinical practice of endodontics. Senior students, working with an increased degree of independence, are expected to complete a variety of cases. C.

GDO 213. Operative Dentistry Lecture. 2 credits. FA
Introduction to diagnosis, prevention and treatment of disease, developmental defects, or traumatic injuries of the hard tissues of individual teeth. Emphasis is placed on mechanical aspects of preparing and restoring individual teeth with specific restorative materials, the physical and biomechanical properties of these materials, and the development of problem solving skills to select appropriate treatments and materials. 1R, 16W.

GDO 214. Operative Dentistry Laboratory. 7 credits. FA
Application of surgical principles to the treatment of diseases and defects of the teeth. Preparations and restorations are performed on natural teeth mounted in stone, typodont models, and plaster teeth. Detailed surgical excisions are made in harmony with principles of tooth anatomy, pathology of the lesions, and masticatory function. Manipulative techniques of the materials commonly employed in operative dentistry are emphasized. Specifically, Class I, II and V amalgams as well as Class I, II, IV and V resin composition are covered. 7L, 16W.

GDO 233. Operative Dentistry Lecture. 2 credits. SP
Diagnosis, prevention and treatment of disease, developmental defects, or traumatic injuries of the hard tissues of individual teeth. Emphasis is placed on mechanical aspects of preparing and restoring individual teeth with specific restorative materials, the physical and biomechanical properties of these materials, and the development of problem solving skills to select appropriate treatments and materials. 1R, 16W.

GDO 234. Operative Dentistry Laboratory. 7 credits. SP
Application of surgical principles to the treatment of diseases and defects of the teeth. Preparations and restorations are performed on natural teeth mounted in stone, typodont models, and plaster teeth. Detailed surgical excisions are made in harmony with principles of tooth anatomy, pathology of the lesions, and masticatory function. Manipulative techniques of the materials commonly employed in operative dentistry are emphasized. Specifically, Class II indirect gold as well as Class II, III, IV and V resin composites are covered. 7L, 8W; 6L, 8W.

GDO 313. Operative Dentistry Lecture. 2 credits. FA
General review to reinforce the principles of operative dentistry procedures with consideration for the transition to clinical application. Special emphasis is placed on recognition and treatment of pathology pertinent to the teeth and the evaluation of acceptable dental materials and techniques. 1R, 16W.

GDO 314A. Operative Dentistry Clinic. 6 credits. FA
The student provides basic restorative services in a clinical practice setting. Emphasis is placed on correct preparation of teeth with placement of currently acceptable materials, prevention of disease and maintenance of oral health. C.

GDO 314B. Operative Dentistry Clinic. 6 credits. SP
The student provides basic restorative services in a clinical practice setting. Emphasis is placed on correct preparation of teeth with placement of currently acceptable materials, prevention of disease and maintenance of oral health. C.

GDO 315. Introduction to the Acute Care Clinic - Lecture. 1 credit. FA
This course introduces the policies and protocols that are to be observed in the Acute Care Clinic. It also describes some commonly observed acute care issues as well as presents treatment modalities used to manage these situations. 1R, 4W.

GDO 333. Operative Dentistry Lecture. 2 credits. SP
This course is an introduction to contemporary operative dental procedures, including the evaluation and review of newly developed restorative materials. Special emphasis is placed on non-carious conditions such as cracked tooth syndrome and elective esthetic dentistry. 1R, 16W.

GDO 400. Basic Laser Dentistry. 1 credit.
Laser use in dentistry is becoming a normal part of daily practice, to include here at Creighton University School of Dentistry. This course is designed to give you a brief yet fundamental knowledge of lasers used in dentistry. You will learn about current uses in periodontics, implants, minor oral surgical procedures, and restorative dentistry. An optional hand's on portion (on a different date) will be offered by Drs. Hasslen and Bolamperti with both the Gemini Diode Laser and the Solea Laser. This course is not designed for licensure purposes as you will need to comply with the state board requirements where you practice. P. Senior Status.

GDO 401. Your First Year Out of Creighton Dental School. 1 credit.
While you get an unrivaled dental education at Creighton University School of Dentistry, there will be curveballs thrown your way once you get out into the 'real world.' This course is designed to discuss those situations that stray from the norm and prepare you to make decisions and act in the best interests of all parties involved. Topics will include: Nonstandard cases, unique patients and the things they say/do, when to refer, how to say no to a patient, dealing with insurance, and working with a front office staff, assistant and hygienist.

GDO 406. So You Think You Won't Be Sued. 2 credits.
This course will review actual cases that have been litigated against general dentists. Examples include a general dentist who was sued because he referred a patient to a periodontist who performed substandard care and a general dentist who became involved in implant dentistry.

GDO 407. Teaching Assistantship In Operative Dentistry. 5 credits.

GDO 408. Esthetics & CAD/CAM Dentistry. 1 credit.
A significant disadvantage of CAD/CAM dentistry is the lack of esthetics with monolithic blocks. This course will cover a few options on how to improve esthetics with CAD/CAM dentistry. Block selection, shading, Cut Back, and Lab communication will be discussed.

GDO 414A. Operative Dentistry Clinic. 6 credits. FA
The student participates in clinical procedures of single tooth restorations. These include a number of diversified operations, both intra - coronal and extra - coronal using current restorative materials and techniques. C.

GDO 414B. Operative Dentistry Clinic. 6 credits. SP
The student participates in clinical procedures of single tooth restorations. These include a number of diversified operations, both intra - coronal and extra - coronal using current restorative materials and techniques. C.

GDS 113. Dental Anatomy Lecture. 2 credits. FA
The student is taught nomenclature, chronology, and methods of designation of human teeth. Form, size and contour of teeth, including external and internal anatomy of the permanent and primary dentitions, intertooth relationships, and occlusion are presented in detail. 1R, 16W.

GDS 114. Dental Anatomy Laboratory. 7 credits. FA
The student will draw and carve teeth to enlarged sizes using average anatomical measurements as well as duplicate teeth to natural size dimensions. 7L, 16W.

GDS 115. Dental Materials Lecture. 2 credits. FA
This course presents the fundamental principles of dental materials science as it applies to clinical dentistry including an understanding of the basis for laboratory and clinical use. The rationale for materials selection, as dictated by clinical procedure and product comparison, will also be presented. 1R, 16W.

GDS 116. Dental Materials Laboratory. 3 credits. FA
Specific dental laboratory projects will be accomplished to allow the student to become familiar with the handling characteristics of the dental materials presented in lecture. This will help to ensure competent use of commonly used dental materials at the clinical level. These exercises are also designed to improve manual dexterity and eye-hand coordination. 2L, 16W.

GDS 135. Dental Materials and Introduction to Operative Dentistry Lecture. 4 credits. SP
Composition and properties of the materials used in dentistry. Basic information on the design of preparatory work necessary for the mouth incident to the reception of these materials.

GDS 136. Dental Materials and Introduction to Operative Dentistry Laboratory. 4 credits. SP
Application of materials used in dentistry with an emphasis on the treatment of single surface tooth lesions.

OMS 233. Pain Control/Anesthesia. 4 credits. SP
Patient evaluation, indications, contraindications, methods of administration, complications and clinical applications associated with local anesthesia, analgesia, and general anesthesia. Includes integration of basic pharmacology. 3R, 4W and 1R, 3C, 12W (Split classes for clinic).

OMS 314A. Oral Surgery Clinic. 2 credits. FA
Fall semesters are dedicated primarily to assistance and observation of senior students in the performance of oral surgical procedures. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction. C.

OMS 314B. Oral Surgery Clinic. 2 credits. SP
During the spring semester, oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction. C.

OMS 315. Oral Surgery Lecture. 2 credits. FA
This course is designed to prepare each dental student with the ability to evaluate, diagnose, treatment plan and effectively deliver the surgical treatment that is expected of a dental professional. Basic concepts that are covered include: principles of surgical infection control, surgical armamentarium, uncomplicated and complicated dentoalveolar surgery, post-surgical complication recognition and management, and wound healing. Additional topics include: an introduction to orofacial infections and management; pre-prosthetic surgery; biopsy principles and techniques; surgical indications and risks associated with oral surgery; and the development of criteria for seeking consultation either before or after surgery. 1R; 16W.

OMS 331. Physical Diagnosis/Medical Emergencies. 2 credits. SP
This course is designed to develop an understanding of pre-surgical and pre-anesthesia patient assessment. The major components of a medical history are reviewed, including interview principles, elicitation of symptoms, observation of signs and documentation of information. The students are introduced to pre-surgical and pre-anesthesia patient evaluation and risk assessment as it pertains to the major systems-cardiovascular, pulmonary, endocrine, renal and liver, hematopoietic and the cancer patient. Medical emergencies and their management are integrated into the discussion of the major systems-syncope, airway obstruction, laryngospasm, bronchospasm, angina, MI, allergic response, hyperventilation and seizures. 1R, 16W.

OMS 401. An Introduction to IV Sedation. 3 credits.
An overview of using moderate sedation in your office. P. Senior Standing.

OMS 413. Oral Surgery Lecture. 2 credits. FA
A more extensive coverage of the diagnosis and treatment of orofacial infections, including a discussion of fascial spaces; diagnosis and treatment of orofacial trauma; diagnosis and treatment of skeletal deformities with orthognathic surgery; cleft lip and palate considerations; and surgery of the temporomandibular joint. 1R, 16W.

OMS 414A. Oral Surgery Clinic. 2 credits. FA
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction. C.

OMS 414B. Oral Surgery Clinic. 2 credits. SP
Oral surgery cases are treated as required by each student. Students diagnose and treat patients presenting surgical conditions and are taught to refer care beyond their training. Demonstration surgery of complicated surgical procedures is performed by faculty for small-group instruction. C.

ORB 113. Histology. 9 credits. FA
Microscopic anatomy of normal mammalian and/or human tissues and organs. Light and electron microscopic aspects of the tissues and organs are studied. The developmental anatomy of the organ systems will also be presented. 3R, 3L, 16W (Split classes for laboratory).

ORB 115. General Gross Anatomy Lecture. 10 credits. FA
Basic instruction in the gross anatomy of the upper extremity, thorax, and abdomen. This course is taught by lecture, laboratory dissection, models, radiographic images, and various multimedia resources. 2R, 6L, 16W (Split classes for laboratory).

ORB 117. Introduction to Conduct of Research Lecture. 1 credit. FA
This course will involve the completion of CITI web-based modules, identification of research project mentor, identification of research project topic and completion of all project research plan and IRB submission documents in draft form. S.

ORB 119. Physiology Lecture. 8 credits.
Lectures covering human physiology, including membrane phenomena, muscle and nerve reflexes, blood, circulation, respiration, digestion, absorption and secretion, temperature regulation, exercise, humoral nervous correlations, hormonal control of bodily processes, and the special senses, will be presented. 4R, 16W.

ORB 131. Head and Neck Anatomy. 9 credits. SP
Basic instruction in the gross anatomy of the head and neck. Special emphasis is placed on the clinical application of anatomy to the various dental disciplines. Such topics include the anatomy and pathology of the TMJ and distribution of the trigeminal and facial nerves with associated applied anatomy. This course is taught by lecture, laboratory dissection, models, radiographic images (x-rays, MRIs, and CTs), and various multimedia resources. 2R, 6L, 8W; 2R, 3L, 4W (Split classes for laboratory).

ORB 133. Oral Histology and Embryology. 8 credits. SP
Microscopic and developmental anatomy of the normal cells, tissues and organs of the oral cavity with emphasis on teeth and related tissues. Emphasis will be given to the growth and development of the head and neck. Genetic effects will be presented. 2R, 3L, 8W; 3R, 3L, 8W (Split classes for laboratory).

ORB 135. Biochemistry Lecture. 8 credits. SP
Study of the chemical components of the body with primary emphasis upon the structure, function and synthesis of the macromolecule components of cells and tissues. The roles of proteins, nucleic acids, lipids, and saccharides in metabolic processes and metabolic regulation are examined as are the interrelationships among carbohydrates, lipids, amino acids, purines, and pyrimidines. Replication and expression of genetic information are discussed in the context of growth regulation, hormone action, genetic disorders, and malignant disease. 4R, 16W.

ORB 137. Nutrition. 2 credits. SP
Basic instruction in nutrition, including nutrients for growth and development of oral tissues. Provides knowledge of balanced nutrition and measurement of dietary factors as related to clinical prevention and health care. Focuses on specific nutrition issues of dental patients and oral conditions with applications to clinical dental practice. 1R, 16W.

ORB 139. General Neuroscience. 4 credits. SP
Basic instruction in neuroscience. Major topics include the neuroanatomy of the central and peripheral nervous systems introduced in ORB 115. Special emphasis is given to the cranial nerves, especially the trigeminal and the facial, with appropriate clinical applications to dentistry. Other topics in neurophysiology including membrane potentials, action potentials, and resting potentials are presented. This course is taught by lecture and by various multimedia resources. 2R, 16W.

ORB 143. Dental Ergonomics and Wellness. 1 credit. SP
This course is intended to promote a culture of health and wellness (with an emphasis on the reduction of musculoskeletal system related injuries) amongst dental students during their professional education as well as throughout their careers. This course draws on recall and/or review of knowledge acquired in physiology and anatomy and requires critical application of the information to functional movements and activities performed in the workplace daily. 1R, 8W.

ORB 211. Microbiology. 7 credits. FA
Basic instruction in bacteriology, immunology, mycology, virology, and parasitology. This course includes a discussion of microbiology as it pertains to the mouth and to the dentition. 4R, 8W; 3R, 8W.

ORB 231. Pharmacology. 3 credits. SP
Lectures and discussions on pharmacological principles, including pharmacokinetics, drug metabolism, drug receptors, pharmacodynamics and pharmacotherapeutics. Specific drug classes include antimicrobial drugs (antibiotics and antifungals), endocrine pharmacology, anti-cancer and anti-viral drugs, drug-drug interactions, and drug abuse. Prescription writing is also presented. 2R, 8W; 1R, 8W.

ORB 311. Dental Pharmacology. 4 credits. FA
Lectures and discussions on pharmacological principles and specific drug classes. Specific drug classes include anesthetics, analgesics, sedative hypnotics, autonomic drugs, cardiovascular drugs, and central nervous system pharmacology. 2R, 16W.

ORB 335. Evidence-Based Dental Care: Understanding and Evaluating Dental Research. 2 credits. SP
This course is designed to provide the student with the foundational information necessary to understand the principles of evidence-based dental practice, to critically evaluate health sciences research literature, and to apply the findings of scientific inquiry to clinical practice. Key learning milestones include the understanding of scientific information sources, research study designs, hierarchies of evidence, basic statistics, and epidemiology. The ultimate purpose of the course is to reinforce the importance of life-long learning and critical thinking in the application of scientific discovery to patient care. 1R, 12W; 1F, 4W.

ORB 413. Practical Pharmacotherapeutics for the Dentist. 1 credit. FA
This course will review core pharmacology topics from ORB 231 and ORB 311. Specifically, this includes general principles, central nervous system, autonomic nervous system, local anesthetics, cardiovascular system, chemotherapy, endocrines/immunosuppressants, analgesics, antihistamines, and autocoids. As part of this review, students will be expected to understand and articulate the practical application of this knowledge (i.e. clinical relevance) to direct patient care. 1R, 8W.

PDO 213. Physical Growth and Development. 2 credits. FA
Growth and development of the craniofacial complex. Developmental anomalies. Postnatal growth with special consideration of development of the primary and permanent dentitions. Etiology of malocclusion. 1R, 16W.

PDO 234. Pedodontics/Orthodontics Technique. 5 credits. SP
This course will feature advanced techniques for the manipulation of stainless steel materials and other materials and appliances used in preventive and interceptive orthodontic procedures. Technique application in the reduction and restoration of tooth structure as applied to the primary, mixed, and young permanent dentitions will also be covered. Finally, several mini-clinics will be conducted throughout the semester which will help prepare students for their junior year clinical pediatric dentistry experience. Topics will include behavior management, dental assistant utilization, and local anesthesia. This course will conclude with a pediatric dentistry clinic orientation. 1R, 16W; 3L, 16W.

PDO 313. Principles of Orthodontics and Dento-Facial Growth and Development. 2 credits. FA
This course presents an introductory foundation for clinical orthodontics. Great emphasis is placed on orthodontic diagnosis and treatment planning for both children and adults. Students learn to analyze the appropriate orthodontic records and translate the data into problem lists. This will enable the student to determine the degree of the dentofacial disharmony, the timing of the orthodontic intervention, and whether a general dentist or a specialist should provide the treatment. Orthodontic treatment modalities will be introduced, the advantages and disadvantages of each will be discussed as to their application in clinical treatment.

PDO 314A. Orthodontic Diagnosis and Treatment Planning Clinic. 1.5 credit. FA
This is a clinical course whereby the student will find an orthodontic patient, take the appropriate orthodontic records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. During the 3rd and 4th years, the student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention period.

PDO 314B. Orthodontic Diagnosis and Treatment Planning Clinic. 1.5 credit. SP
This is a clinical course whereby the student will find an orthodontic patient, take the appropriate orthodontic records, diagnose the problem, and construct a treatment plan to address the orthodontic problem. During the 3rd and 4th years, the student will place the appliances, treat the patient through the removal of the appliances and follow them through the retention period.

PDO 315. Pediatric Dentistry. 4 credits. FA
This course is designed to provide fundamental principles and basic knowledge in pediatric dentistry. Topics include etiology of caries and caries control methods, behavior management, principles of pulpal therapy and restorative dentistry as applied to the child patient, space maintenance, oral surgery for the pediatric patient, adolescent dentistry, child abuse recognition, emergency procedures for trauma and infection, oral lesions and periodontal conditions in children, hospital dentistry, and dentistry for patients with special needs. Particular emphasis will be placed on basic and essential knowledge in providing pediatric dental care by general practitioners. 2R, 16W.

PDO 331. Orthodontics. 2 credits. SP
This course reinforces the foundation for clinical orthodontics. The physiology and mechanics of tooth movement are discussed and methodologies for predicting and modifying growth of patients with skeletal problems are discussed. The classifications of malocclusions are reviewed along with treatment modalities specific to each malocclusion. Philosophies for conventional removable and fixed orthodontic appliances are discussed along with specific mechanical principles of each appliance system. Rationale for possible extraction of teeth to facilitate orthodontic treatment along with the relationship of orthodontic tooth movement to the temporomandibular joint are presented.

PDO 332. Pediatric Dentistry Clinic. 5 credits. SP
Students are assigned to the pediatric dental clinic on a rotating basis. Students participate in seminars and case presentations. Students diagnose pediatric patients, develop treatment plans, and present findings/preventative strategies to patients/parents within the framework of anticipatory guidance. Students demonstrate proficiency in pediatric dentistry by performing comprehensive dental care for patients ranging in age from infancy to middle adolescence as well as special needs patients. Students also receive instruction in dental auxiliary utilization and four handed dentistry. C.

PDO 413. Principles of Orthodontics and Dento-Facial Growth and Development. 2 credits. FA
This is a continuation of topics covered in the third year. Emphasis is placed on evidence-based orthodontics along with new technologies while revisiting the basic background information pertinent to clinical orthodontic treatment. Growth and development of the craniofacial complex will be iterated as it relates to the diagnosis and treatment of patients with congenital abnormalities. Particular consideration is given to recognition of orthodontic situations that will be encountered in the general dental practice. Early and adult treatment are discussed regarding timing and types oftreatment for diverse age groups and post-treatment regimens are addressed. Comprehensive orthodontics, interdiscipline dentistry and surgical orthodontics are introduced to indicate the scope ofthe orthodontic specialty and the key role played by the general practitioner when referring their patients.

PDO 414A. Orthodontic Diagnosis and Treatment Planning Clinic. 1.5 credit. FA
This is a continuation of PDO 314, clinical course whereby the student will find an orthodontic patient, take appropriate orthodontic records, diagnose the problem and construct a treatment plan to address the orthodontic problem. The student will treat the patient to completion, including removing the appliance and delivering the final retainer.

PDO 414B. Orthodontic Diagnosis and Treatment Planning Clinic. 1.5 credit. SP
This is a continuation of PDO 314, clinical course whereby the student will find an orthodontic patient, take appropriate orthodontic records, diagnose the problem and construct a treatment plan to address the orthodontic problem. The student will treat the patient to completion, including removing the appliance and delivering the final retainer.

PDO 418. Pediatric Dentistry Clinic. 5 credits. FA, SP
This course is an extension of the junior clinical pediatric dentistry experience. Students are assigned to the pediatric dental clinic on a rotating basis. Senior students participate in seminars and present pediatric dental cases. A continuum of proficiency and independence is expected in providing comprehensive dental care for the pediatric population and special needs patients. Dental auxiliary utilization and four handed dentistry are emphasized. C.

PER 132. Periodontal Instrumentation. 3 credits. SP
Introduction to basic examination and periodontal armamentarium focusing on operatory set-up, operator and patient positioning, and instrument selection and use. 3R, 3L or C, 16W (Split classes).

PER 212. Clinical Introduction to Scaling and Polishing. 1 credit. FA
This course will introduce new sophomore students to clinical procedures with emphasis on dental prophylaxis and periodontal instrumentation. 3C, 7W. (Split class).

PER 213. Periodontology Lecture. 2 credits. FA
This course presents the ultra structural features of the healthy periodontium and contrasts those with that found in periodontal diseases. The student is introduced to the diagnosis of periodontal diseases as well as the relevant etiology and contributory factors. 1R, 16W.

PER 233. Periodontology Lecture. 2 credits. SP
This course presents the integration of treatments of periodontal diseases in the framework of treatment planning for dental and oral issues in general. The student is introduced to case-based analysis and treatment planning. 1R, 16W.

PER 313. Periodontology Lecture. 2 credits. FA
This course reviews materíals for INBD; periodontal diagnosis, etiology, contributing factors, classification, treatment planning, and covers basics in periodontal surgeries such as flap surgeries, guided tissue regeneration, crown lengthening (exposure) and soft tissue grafts. Case based treatment planning and referral to different specialists are also covered in this course.

PER 314A. Periodontology Clinic. 2.5 credits. FA
Clinical practice of periodontal therapeutic procedures. C.

PER 314B. Periodontology Clinic. 2.5 credits. SP
Clinical practice of periodontal therapeutic procedures. C.

PER 333. Periodontology Lecture. 2 credits. SP
This course covers fundamentals for dental implant treatment planning and surgeries. Introduction to implant related surgeries, sinus augmentation, ridge preservation and guided bone regeneration are covered in this course. Case based treatment planning in respect to phases of treatment are also included in this course.

PER 401. Instruction Techniques in Periodontics. 5 credits.

PER 402. Future of Dentistry: "Are consumers and technology driving the future of dentistry?. 1 credit.
There will be many challenges that dentists face every day when dental students graduate from dental school. The general population want faster, better, cheaper, smarter options in everything, and dentistry is no exception. What are the ways in which technology is reshaping the way we see dentistry and education (new way of learning), and how might this change the world of dentistry? Do you see yourself, finding it difficult to merge dentistry with business? Do your patients not understand why using technology will improve quality of treatments? Find out what's the perfect formula for your future practice? What is your vision in your life and practice? Dentistry is not what you see on-line but what you must deal with every day, and it changes every day exponentially in a very fast pace. This lecture will be beneficial for senior students and will help them to be part of a bigger game of dentistry.

PER 413. Periodontology Lecture. 2 credits. FA
This course is a general review of periodontics, including a more extensive coverage of periodontal anatomy, relevant immunology, pathology, diagnosis, treatment planning and management or periodontal diseases. 1R, 16W.

PER 414A. Periodontology Clinic. 2.5 credits. FA
Clinical practice of periodontal therapeutic procedures. C.

PER 414B. Periodontology Clinic. 2.5 credits. SP
Clinical practice of periodontal therapeutic procedures. C.

PRS 131. Occlusion Lecture. 2 credits. SP
Basic principles of maxillo-mandibular relationships, static and functional, as related to the occlusal surfaces of the teeth. 1R, 16W.

PRS 132. Occlusion Laboratory. 3 credits. SP
Exercises simulating clinical diagnostic and treatment procedures are employed to exemplify principles of maxillo-mandibular relationships. 3L, 16W.

PRS 213. Fixed Prosthodontics Lecture. 2 credits. FA
Study of the basic restorations involved in restoring oral function by use of fixed prostheses. 1R, 16W.

PRS 214. Fixed Prosthodontics Laboratory. 6 credits. FA
Participation in technical exercises designed to provide experience in the construction of basic fixed prosthodontic restorations. 6L, 8W; 3L, 8W.

PRS 215. Implant Fundamentals Lecture. 2 credits.
This course is an introduction into the fundamentals of implantology. The history of implant usage in dentistry and the physiological basis for success are presented. This is followed by a description of procedures required for treatment planning, surgical placement, prosthetic restoration, and outcomes assessment. 1R, 16W.

PRS 216. Implant Laboratory. 3 credits.
This laboratory course is an introduction into the fundamentals of implantology. The laboratory experiences are designed to reinforce implant concepts and procedures presented during the Implant Fundamentals Lecture (PRS 215). The laboratory includes exercises in implant component identification, virtual implant treatment planning, surgical placement, prosthetic restoration, and outcomes assessment. 3L, 16W.

PRS 217. Removable Partial Denture Lec. 1 credit.
Basic principles of removable partial denture design. Component parts, abutment tooth preparation, surveying and designing are the primary objectives to be mastered.

PRS 218. Removable Partial Denture Lab. 1.5 credit.
Laboratory exercises utilize partially edentulous casts and surveyors to survey and design each of the four major classes of removable partial dentures.

PRS 221A. Complete Denture Prosthodontics Lecture. 1 credit. FA
Fundamentals of treating the completely edentulous patient. 1R, 8W.

PRS 221B. Complete Denture Prosthodontics Lecture. 1.5 credit. SP
Fundamentals of treating the completely edentulous patient. 1R, 16W.

PRS 222A. Complete Denture Prosthodontics Laboratory. 1.5 credit. FA
Laboratory exercises are designed to familiarize the student with the process of complete denture fabrication through simulated exposure to the basic clinical steps of treating the edentulous patient and laboratory procedures required to construct the prosthesis. 3L, 8W.

PRS 222B. Complete Denture Prosthodontics Laboratory. 3 credits. SP
Laboratory exercises are designed to familiarize the student with the process of complete denture fabrication through simulated exposure to the basic clinical steps of treating the edentulous patient and laboratory procedures required to construct the prosthesis. 3L, 16W.

PRS 233. Fixed Prosthodontics Lecture. 2 credits. SP
Study of the basic restorations involved in restoring oral function by use of fixed prostheses. 1R, 16W.

PRS 234. Fixed Prosthodontics Laboratory. 6 credits. SP
Participation in technical exercises designed to provide experience in the construction of basic fixed prosthodontic restorations. 6L, 16W.

PRS 311. Removable Partial Denture Lecture. 2 credits. FA
Advanced course in removable partial dentures. Emphasis is given to clinical procedures such as diagnosis, treatment planning, mouth preparations, impressions, jaw relation records, framework adaptation, and occlusion. Infection control and relining of partial dentures are also discussed. 1R, 16W.

PRS 312A. Removable Prosthodontics Clinic. 2.5 credits. FA
Treating completely edentulous patients, partially edentulous patients, and the restoration of implants. C.

PRS 312B. Removable Prosthodontics Clinic. 2.5 credits. SP
Treating completely edentulous patients, partially edentulous patients, and the restoration of implants. C.

PRS 313. Fixed Prosthodontics Lecture. 2 credits. FA
Planning and design of various fixed restorations pertinent to complete oral health, stressing masticatory function. Discussion of clinical application of basic techniques and introduction of more advanced and complex techniques employed in the construction of fixed bridges and ceramic restorations. 1R, 16W.

PRS 314A. Fixed Prosthodontics Clinic. 2.5 credits. FA
Clinical practice in the construction of the simpler types of crowns and bridges and in the restoration of implants, as appropriate C.

PRS 314B. Fixed Prosthodontics Clinic. 2.5 credits. SP
Clinical practice in the construction of the simpler types of crowns and bridges and in the restoration of implants, as appropriate C.

PRS 317. Prosthodontic Clinical/Lab Review. 1 credit.
This course is a review of the basic principles of fixed, implants, partials, and complete dentures. These specific principles, where possible, will be exemplified with clinical and lab reviews. Students will have the ability to bring treatments in various stages to help facilitate questions and answers. 2R, 4 Sessions.

PRS 331. Advanced Maxillofacial Prosthetic Reconstruction. 2 credits. SP
Advanced course in complete denture procedures with emphasis on the clinical procedures necessary to satisfy the functional esthetic needs of the edentulous patient. Immediate, interim and treatment dentures as well as relines, rebases and repair procedures are discussed. An overview of overdentures and implant prosthesis provided. 1R, 16W.

PRS 333. Fixed Prosthodontics Lecture. 1 credit. SP
Planning and design of various fixed restorations pertinent to complete oral health, stressing masticatory function. Discussion of clinical application of basic techniques and introduction of more advanced and complex techniques employed in the construction of fixed bridges and ceramic restorations. 1R, 8W.

PRS 341. Advanced Occlusion Lecture. 1 credit.
Topics such as posterior support and anterior guidance will be discussed. The student will learn to identify "pathologic occlusion." The principles of occlusal analysis will be presented and the results applied to establishing proper occlusal schemes when restoring edentulous spaces and when placing single unit fixed restorations. 1R, 8W.

PRS 403. Introduction to Dental Education - Removable Prosthodontics Teaching Assistantship. 5 credits.

PRS 412A. Removable Prosthodontics Clinic. 2.5 credits. FA
Applying the principles and procedures involved in removable complete and partial denture prosthodontics; demonstrating competence in diagnosis, treatment planning, surveying, designing and constructing removable prostheses to restore complete and partial edentulism; and the restoration of implants. C.

PRS 412B. Removable Prosthodontics Clinic. 2.5 credits. SP
Applying the principles and procedures involved in removable complete and partial denture prosthodontics; demonstrating competence in diagnosis, treatment planning, surveying, designing and constructing removable prostheses to restore complete and partial edentulism; and the restoration of implants. C.

PRS 414A. Fixed Prosthodontics Clinic. 2.5 credits. FA
Applying basic and advanced principles of fixed prosthodontics to restore the dentition to form and function using cast metals, porcelain restorations, porcelain-fused-to-metal restorations, and composite restorative materials as well as the restoration of implants. C.

PRS 414B. Fixed Prosthodontics Clinic. 2.5 credits. SP
Applying basic and advanced principles of fixed prosthodontics to restore the dentition to form and function using cast metals, porcelain restorations, porcelain-fused-to-metal restorations, and composite restorative materials as well as the restoration of implants. C.

PRS 415. Advanced Implantology. 2 credits.
Follow-on course to PRS 315. This course presents continuing education level lectures covering implant topics of great interest to practicing dentists. 1R, 16W.

PRS 417. Advanced Clinical Dentistry Lecture. 2 credits. FA
This course emphasizes comprehensive dental care delivered by both specialists and generalists by addressing the multi-disciplinary needs of the patient. Information may be new, advanced, controversial, or unique. This diverse staging examines and addresses complex issues in a somewhat different environment and assists in the preparation for Part II of the National Board. 1R, 16W.