

Fall Term

DS2 Required Courses

DEN 740 Introduction to Comprehensive Care IV

DEN 740, Introduction to Comprehensive Care IV, is the second preclinical course in the Comprehensive Care course series, DEN 730-758, evaluating the students' ability to provide comprehensive patient care appropriate to student's experience level. All courses in the DEN series focus on the integration of the clinical disciplines in the provision of care to meet patient needs. The guiding principles are: 1) comprehensive care is provided; 2) care is provided in a timely manner; 3) patient care is of high quality; 4) patients report satisfaction with care received; 5) confidentiality of patient information is maintained; and 6) care is delivered in a safe environment.

FPROS 721 Fixed Pros II

In FPROS 721, the fourth course of the Fixed Prosthodontic Technique Laboratory series, the student will be introduced to fixed partial denture preparation and provisionalization, interocclusal records, dental ergonomics, creating work authorizations, color selection, partial veneer crown and all ceramic restoration technique. Upon completion of the course the student will be able to demonstrate all the steps involved in making a type III gold crown and a ceramometal crown.

MB 722 Pathogenic and Oral Microbiology

This course is designed to follow directly from OMB 721, and to build directly on the knowledge and concepts learned in that course. The course is designed to analyze major mechanisms of infectious disease and the resultant useful and harmful responses of the host. The focus is on understanding underlying processes using key example diseases to give depth for evaluating virulence mechanisms. This basic material will help students connect with future Pathology and clinical courses and locate and evaluate new information concerning past, present and future diseases. The course starts with Analysis of microbial diseases and progresses through key viral diseases, Candidiasis, prior diseases ending with oral ecology/microbiology and periodontal diseases. Much of the material highlights mucosal spread of disease and mucosal diseases. There is special emphasis on plaque related microbial diseases.

OP 721 Operative Technique Lecture & Lab III

OP 721 is the third in a series of five combined didactic and laboratory operative technique courses. The topics of amalgam and composite restorations presented in OP 713 and OP 720 are reviewed and reinforced. In addition, glass ionomer restorations and biologic considerations are introduced. As the students learn about these different dental materials and procedures they will have the immediate opportunity to apply that knowledge in the simulation clinic by preparing and restoring typodont teeth with the appropriate material. Upon completion of this course the student will demonstrate an understanding of the physical properties, considerations, preparation and restoration of composite resins, amalgam and glass ionomer restorations.

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OPTH 721 Basic Disease Processes

The basic disease processes presented in OPTH 721 are the foundation upon which diagnosis rests. Students learn the fundamental changes that take place during the disease process such as; cellular adaptation to disease; cell injury and death, apoptosis; tissue response to damage; healing and repair; neoplasia; genetic basis of disease and circulatory disturbances. In the laboratory, students learn to recognize these changes at the microscopic level.

PER 720 Principles of Periodontology

PER 720 Principles of Periodontology provides a more advanced evaluation of the topics in PER 711 Introduction to Periodontology by integrating both the basic science and the clinical aspect of periodontal disease. In addition, epidemiology, acute gingival inflammation, periodontal abscess, juvenile periodontitis and the influences of systemic diseases and disorders are discussed. Content is directly related to patient care in the School of Dentistry clinics, PER 721, at a level applicable to the general dental practitioner.

PER 721 Non-Surgical Periodontics

This course will present the student with the opportunity for clinical application of periodontal techniques and theory presented in PER 711, 712, 713 and PER 720. The student will act as a secondary dental provider, providing prevention and definitive control of periodontal disease to assigned patients with less complicated periodontal case types. Upon completion of the course, students will be prepared to perform a comprehensive periodontal examination, prevention education, and scaling and root planing at a beginner level.

PHC 721 Pharmacodynamics

This course is designed to provide the student with the basic knowledge he or she will need to assess drug-related issues that arise during the clinical care of patients. The students will be able to make decisions about use of therapeutic agents for the treatment of specific patients as well as evaluate the impact of the patients drug history on his/her oral health. The course integrates principles introduced in the first year courses of physiology, biochemistry, anatomy and nutrition into an assessment paradigm for pharmacotherapeutics and course prepares the students for their patient assessment course that follows in the winter term of their DS3 year.

RO 723 Extraoral Radiography & Interpretation

This lecture course begins by introducing the student to the fundamental principles of radiographic interpretation, basic radiographic analysis of intraosseous lesions including the features of benign & malignant lesions. The course then proceeds with an extraoral radiography component that introduces the student to radiographic techniques & interpretation of the most often used extraoral views in dentistry with special emphasis on panoramic radiography & standard skull images. A discussion of TMJ radiography, tomography, dental implant imaging, digital imaging, CT and MRI imaging and newly available Cone Beam CT imaging is included.

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RPROS 721 Removable Prosthodontic Technique I

RPROS 721 is the first in a series of three courses in the DS2 year covering removable prosthodontics technique, lecture and laboratory. Topics covered include concepts of denture occlusion, dental esthetics, polymer material behavior, record bases, occlusion rims, and fabrication of complete dentures.