

Spring Term

DS1 Required Courses

AN 715 Oral Histology

Oral histology is the study of the development and structure of oral tissues. It serves as a basis for the study of oral pathology. In addition, the student learns to understand tissue characteristics and relationships which are necessary for determining the best therapy or procedure for the patient.

DEN 730-740 Introduction to Comprehensive Care I - IV

DEN 730-758 courses evaluate students' ability to provide comprehensive patient care including patient management, clinic utilization and time management, and quality of care appropriate to student's level. All courses in the DEN series (730 in the DS1 year, 740 in the DS2 year, 754-5 in the DS3 year and 756-758 in the DS4 year), focus on the integration of the clinical disciplines in the provision of comprehensive care to meet patient needs.

DM 713 Intro To Dental Materials III

This course is the third in a series of three, one-credit hour courses. This course, as well as the preceding two (DM711-Fall and DM712-Winter) emphasizes basic material science theories as they relate to the use of metals, ceramics, and polymers in dentistry. The primary purposes of this course are to provide the student with knowledge of: 1) the general nature and composition of dental materials, 2) the physical properties of materials used in dentistry and medicine, and 3) the indications for and proper use of dental materials. This course is integrated with the pre-clinic course in Operative Dentistry (OP 713). The manipulation of the various materials are emphasized in those courses, but are introduced in this course.

ENDO 724 Endo Technique Lab

ENDO 724 introduces the DS2 to the basic techniques and hand skills required for beginning endodontic practice in the DS3 clinic. Students will gain hands-on practice in access openings, cleaning and shaping, and obturation of incisors, premolars and molars in a simulation clinic. To pass the course and proceed to clinical practice the student must successfully complete two competency exams, 1) access openings and 2) complete endodontic treatment.

IB 703 Biophys III

This is an interdisciplinary course, combining the traditional contents of biochemistry, physiology, and neuroscience courses into a single course that emphasizes the integrative nature of science. Topics from biochemistry, physiology, and neuroscience are dovetailed where appropriate, and concepts from one traditional discipline are deliberately injected into the others where appropriate. Students are expected to master traditional content, and integrate this knowledge at the biochemical, cellular, and systems levels to solve multidisciplinary challenges that traditional course cannot explore. Toward this goal, students are given "integrative" problem sets and comprehensive final examinations, consisting of integrative questions that cannot be answered on the basis single-topic mastery. The underlying rationale is that delivering evidence-based care increasingly requires dentists to evaluate multidisciplinary "evidence." The integrative nature of IB703 coursework casts basic science in the multidisciplinary terms that may be expected to provide future dentists with a stronger foundation upon which to build their evidence-based practices.

OP 713 Operative Technique Lecture & Lab I

OP 713, a didactic course, is the DS1's first introduction to operative dentistry and is the cornerstone for all operative courses to follow. Basic concepts of cavity preparation, instrument identification and nomenclature are introduced. Both amalgam (class 1, 2, and 5) and composite resins (posterior, class 2 slot and anterior) are discussed. As the students learn about composite and amalgam restorations they will have the immediate opportunity to apply that knowledge in OP 716 by preparing and restoring typodont teeth with the appropriate material.

PER 713 Periodontal Instrumentation II

This course is the second of a two term sequence designed to present the novice clinician with the opportunity to apply the basic principles, learned in PER 712, to the care of patients with less complicated periodontal case types. With supervision, students provide periodontal data collection, prevention, and non-surgical periodontal instrumentation. Upon completion of the course, students will be prepared to continue treatment of periodontal patients more independently in PER 721.

REST 713 Restorative III

This course is the third in the series of six preclinical laboratories in fixed prosthodontic technique. The principles of tooth preparation and development of dental laboratory skills are expanded to include contact soldering, construction of a provisional using a custom matrix and preparation of metal-ceramic substructures. Upon completion of the course the student will create a Full Gold Crown preparation.