

Fall Term

DS1 Required Courses

AN 713 General Histology

Purpose

Cells are the functional units of living tissue, and their study provides a useful central theme in the biological sciences. In this course, we will emphasize tissue organization at the cellular level as seen in the light microscope. Sixteen lectures will introduce you to each of the major tissue types and organ systems found in the human body. Two-hour microscope-based laboratory exercises will accompany each lecture. This material will provide a visual framework on which hopefully you can begin to integrate the related physiology, biochemistry, and molecular biology of your other basic science courses.

CDEN 701 Clinical Scientific Inquiry

Purpose

CDEN 701, Clinical Scientific Inquiry, provides dental students skills to understand and apply evidence-based dentistry to clinical practice. Students learn how to write PICO questions, perform a search for evidence, evaluate available evidence and taking into consideration patient and clinical factors, make recommendations based on the EBD process. Upon completion of the course students demonstrate the use of critical thinking skills by applying the concepts learned to the evaluation of a clinical question using evidence based decision making in completing an analysis and making a group presentation.

CDEN 711 Public Health & Preventive Dentistry

Purpose

CDEN 711, Public Health & Preventive Dentistry, introduces first-year dental students to the concepts and functions that comprise public health and preventive dentistry. The goal is to provide the students with both an introductory knowledge of the complexities of assessing and addressing disease and prevention at the population level and an understanding of the role of the dental profession in promoting and maintaining public oral health.

DEN 730-740 Introduction to Comprehensive Care I - IV

Purpose

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 711 Introduction To Dental Materials I

Purpose

DM 711, Introduction to Dental Materials I, is the first in a series of three, one-credit hour courses. This initial course focuses largely on the interrelationship of the oral structures and dental materials. The primary purpose of this course is 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.

IB 701 Biophys I

Purpose

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 IB70X 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.

REST 700 Dental Anatomy Lecture/Lab

Purpose

The study of dental anatomy provides the student knowledge in the anatomical and morphological characteristics of the teeth. The knowledge of dental anatomy is fundamental in the study of dentistry. This knowledge is integrated in the dental procedures that restore the teeth to proper form and function. It is also related to those disciplines in which the existing form and contour of teeth is an important element in diagnosis and treatment: endodontics, orthodontics, periodontics, radiology, and prosthetic and restorative dentistry. The student will be able to demonstrate knowledge in the morphological characteristics of all the teeth. This knowledge will be used in the identification of teeth, diagnosis of tooth anomalies, and treatment of dental pathologies.

REST 711 Restorative I

Purpose

This course will provide the cornerstone for the six-course series in Fixed Prosthodontics Technique. The student is introduced to the technique and simulation clinic and its policies, diagnostic casts, dental articulators, dental handpieces and principles of tooth preparation. Upon completion of the course the student will complete a test PFM preparation.