

BASIC SCIENCES (BAS06-DN)

BAS06-DN 1608 General Pathology (4 Credits)

General Pathology covers the molecular, cellular, tissue and organ changes which occur in disease. The course includes reversible cellular responses to injury, cell death, innate and acquired immunity, inflammation, soft tissue wound healing, bone wound healing and osseointegration, developmental and genetic disorders, immunopathology, neoplasia, addiction, environmental and radiation associated pathology. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS06-DN 2510 The Body & Disease I (6 Credits)

This didactic course emphasizes basic mechanisms in systemic physiology, systemic pathology, and therapeutics and their integration and implications for dental practice. This course is divided into vertically integrated units (VIUS) by organ system. Each VIU contains sessions for discussion giving students the unique opportunity to incorporate medicine directly into a dental context and to create a framework that they can learn to apply to their patients and beyond. The course covers common diseases within the range of the major organ systems: cardiovascular, hematology, pulmonary, endocrine, gastrointestinal, infectious diseases, reproductive pathology, renal, skeletal, neuropathology, and common diseases of the skin. The pharmacology/therapeutics component of the course describes the mechanisms of action of principal classes of pharmacological agents, and discusses the impact of pharmacokinetic parameters on the onset, duration, intensity, and termination of drug action, as well as proper usage, possible interactions with other medication/factors and commonly encountered adverse effects. A special focus is placed on the indications of drugs used in dentistry, the non-dental indications for drugs most used by other health providers, and the impact of commonly used drugs on the dental treatment plan of patients. The characteristics of misuse and abuse of selected groups of drugs are also presented. Other therapeutic modalities and their indications are also discussed in this course. The application of pathologic principles to dental treatment, particularly of medically complex patients, is discussed, and oral manifestations related to the systemic disease are included in clinical cases. There is a significant emphasis on case-based learning. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS06-DN 2610 The Body & Disease 2 (4 Credits)

Continuation of BAS06-DN 2510. This didactic course emphasizes basic mechanisms in systemic physiology, systemic pathology, and therapeutics and their integration and implications for dental practice. This course is divided into vertically integrated units (VIUS) by organ system. Each VIU contains sessions for discussion giving students the unique opportunity to incorporate medicine directly into a dental context and to create a framework that they can learn to apply to their patients and beyond. here is a significant emphasis on case-based learning. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No

BAS06-DN 3510 Clinical Pathologic Correlations (1 Credit)

This course consists of clinico-pathologic case (CPC) presentations designed to improve the students' skills in the diagnosis (including differential diagnosis) and management of the major clinical and histopathologic entities that a general dentist may encounter in the ordinary course of practice. This course builds on the knowledge base delivered during the D1 General Pathology (BAS06-DN 1608), D2 OMPR (DGS06-DN 2510) and Body and Disease (BAS06-DN 2510 and BAS06-DN 2610) courses. Students are expected to be fluent with this working knowledge from these previous courses and are now expected to integrate that knowledge into a clinical setting. This course emphasizes data collection (i.e. the identification and description of key history, physical examination findings, imaging, or laboratory studies), the steps in establishing a definitive diagnosis, evidence-based management strategies (as applicable), and the factors predicting prognosis. This course is open only to students in the Doctor of Dental Surgery program.

Grading: Dental Graded

Repeatable for additional credit: No

BAS06-DN 4508 Senior Comprehensive Care Cert & Board Prep (2.5 Credits)

Typically offered Fall

This course will draw upon the senior dental student's knowledge and skill across all clinical disciplines and upon her/his understanding of evidence-based and biomedical-dental-based principles, to demonstrate in a variety of interactive, clinical scenarios a capacity for comprehensive patient assessment, diagnosis, and interdisciplinary treatment planning. The course will concentrate on the review and practice of diagnosis criteria, radiology interpretation skills, hard and soft tissue findings, dental management of medically complex patients, pharmacology, evidence-based dentistry, and critical thinking skills. An additional course section for Geriatrics is included in this course to complete the learning experience. This course is open only to students in the Doctor of Dental Surgery program. Core curriculum.

Grading: Dental Graded

Repeatable for additional credit: No