PATHOLOGY (PATH)

Courses

PATH 501. Anatomy and Pathology I. 4 Units.
A systems-based approach to the study of human anatomy utilizing cadaver dissection, correlating gross and microscopic anatomy and associated pathologies.

PATH 502. Anatomy and Pathology II. 4 Units.
A systems-based approach to the study of human anatomy utilizing cadaver dissection, correlating gross and microscopic anatomy and associated pathologies.

PATH 517. Human Systemic Pathology. 9.5 Units.
Cooperates with the efforts of the sophomore year curriculum towards the orderly, integrated progression of students in their application of the principles of the basic sciences in the development of competencies in actual patient care. Introduces students to the important diseases and anomalies of each human organ system and their impacts on patients. Uses a combination of didactic sessions, self-study assignments, online image modules, practical laboratory experience, self-assessment questions, computer-based group quizzes, and interactive team-based sessions to emphasize the etiologies, pathogenesises, macroscopic and microscopic morphologic features, pathophysiology, biologic behaviors, and relevant laboratory findings of such disorders. Challenges students with multiple clinical scenarios for each organ system with the intent of developing analytical thinking, productive skills of cooperation between the team members, and appropriate use of laboratory testing.

PATH 521. Anatomical Techniques I. 3 Units.
Designed specifically for pathologists’ assistant students. Comprehensive coverage of surgical and autopsy pathology techniques. Incorporates histology and medical terminology, including clinical and pathologic correlations.

PATH 522. Anatomical Techniques II. 3 Units.
Designed specifically for pathologists’ assistant students. Comprehensive coverage of surgical and autopsy pathology techniques. Incorporates histology and medical terminology, including clinical and pathologic correlations.

PATH 524. Clinical Microbiology for Pathologists’ Assistants. 3 Units.
Studies of pathologically pertinent microbes and pathogenic mechanisms; overview of methods of identification and antibiotic sensitivities.

PATH 551. Disease Mechanisms I. 3 Units.
Comprehensive study of mechanisms of disease and clinical correlations, based on Robbins’ Pathologic Basis of Disease.

PATH 552. Disease Mechanisms II. 3 Units.
Builds on the basic courses in the pathologists’ assistant curriculum. Requires students to use critical-thinking skills in the participatory discussion sessions. Prepares students for clinical practicum experiences.

PATH 564. Biomedical Photography. 1 Unit.
Investigates the use of digital cameras, scanners, Adobe®, photomicrography, and macrophotography. Examines fundamental processes applied in digital photography to a wide range of specimen types.

PATH 581. Basic Pathologic Microanatomy. 2 Units.
Designed specifically for pathologists’ assistant students. Covers normal microanatomy, including clinical correlations and grossing techniques. Lectures enhanced by multithread microscopy sessions.