

Course Descriptions Spring Semester-M1/PA1 Year

MED:8131 Clinical and Professional Skills

Clinical and Professional Skills (CAPS) II will reinforce and advance the knowledge, skills and attitudes introduced in CAPS I. Communication skills and clinical reasoning will continue to develop in small groups and in sessions with simulated patients. Issues surrounding medical ethics will be addressed and the student will have the opportunity to develop a patient care plan with an interprofessional team.

MED:8132 Medicine and Society II

This second of the three Medicine and society courses continues to explore the relationships between medicine and society and focuses on public health and epidemiology. Students will explore adverse circumstances that are threats to health and methods of health promotion and disease prevention, which are shaped by societal values and views. A range of issues will be explored to include political topics, views and issues from a local and global perspective. Throughout the semester, students will utilize resources (online and community) available to health providers and patients. The purpose is to examine the dilemmas with which physicians are confronted and identify potential solutions, while remaining mindful of the basic science curriculum.

MED:8133 Mechanisms of Health and Disease II

MOHD II is an 8-week course that introduces content related to normal biology underlying neuropsychiatry and immunology. Through large group sessions, laboratory sessions, and small group case analysis, students will explore:

- the organization and relationship between structure and function of the human central nervous system
- application of neuroanatomical knowledge to clinical problem-solving of basic disorders that affect the nervous system
- fundamental mechanisms of how the immune system, through its multiple components, works to differentiate the self from non-self, by tolerating the human body and defending it from infections with foreign microorganisms
- basic principles of cellular injury and adaptation, acute and chronic inflammation, and resolution/repair mechanisms
- interactions and interdependence between nervous and immune systems

MED:8134 Mechanisms of Health and Disease III

Mechanisms of Health and Disease III is a 10-week course that is presented in the spring term of the first year of the medical curriculum. MOHD III will place emphasis on abnormal development and disease of mechanisms introduced in MOHD I.

Through large group sessions, small group Case Analysis and Lab CAPS(interactive virtual patient modules), students will explore:

- male and female reproductive physiology and the complications that can arise during pregnancy
- mechanisms underlying neoplastic transformation and subsequent metastasis
- mechanism(s) underlying common pathologic disease states that affect the major organ systems of the body; and current strategies, including surgery, radiation therapy and drugs, used in the treatment of these specific benign and malignant disease states.
- Major classes of drugs, as well as their specific mechanism(s) of action and potential side effects, will also be emphasized.