

ONCOLOGY - MD (ONC)

ONC 201 Hematology and Oncology System 5 cr

The Hematology and Oncology Systems Module is designed to provide the scientific and clinical principles necessary to provide care to patients with hematologic and oncologic diseases. Since these diseases involve and affect many organ systems, the module utilizes an integrative approach to reinforce many core concepts from previous modules. In the current healthcare environment, oncologic care is dependent upon the interprofessional collaboration of multiple clinical specialties and disciplines. As a result, teaching methods will focus on small group case-based activities, independent learning activities, and experiences promoting the development of the knowledge, skills, and attitudes necessary to work in interprofessional teams. The hematology section of the course will focus on diseases associated with malignant hematology such as the leukemias. Students will be introduced to the physiology, pathology, and pharmacology associated with these disorders. The oncology portion of the module will expose students to the cellular mechanisms, genetics, and pathophysiologic processes critical to the development of common malignancies. Students will also develop an understanding of nutrition and metabolism associated with the pathogenesis and management of these disorders. Strategies for screening and prevention of the common malignancies will also be highlighted in the small group learning sessions.