

SYSTEM (SYST)

SYST 2101. Cardiovascular System. (3.5 Credit Hours)

The Cardiovascular System is a combination of didactic and case-based instruction that provides a thorough exposure to both the foundational and clinical sciences of cardiovascular disease. This course is designed to give an overview of the Cardiovascular System focused on the most relevant clinical presentations that will be encountered during the clerkship years, with emphasis on the pathology/pathophysiology, clinical findings, diagnosis and patient management.

SYST 2103. Hematology. (2.5 Credit Hours)

The course is designed to provide students with a thorough exposure to hematology, emphasizing basic science and clinical aspects pertinent to understanding normal function, pathophysiological derangements resulting in disease and appropriate diagnostic and treatment protocols utilized in addressing diseased states.

SYST 2105. Renal. (3 Credit Hours)

This combination of didactic and case-based instruction provides a thorough exposure to both the basic science and clinical aspects of renal diseases.

SYST 2106. Endocrine System. (2.5 Credit Hours)

Provides the student an overview of the basic science, the diagnosis and the management of common endocrine diseases. Clinical case presentations will illustrate common endocrine disorders.

SYST 2111. Gastrointestinal (GI) System. (3 Credit Hours)

This course integrates the foundational and clinical sciences related to digestive and metabolic disease with an emphasis on gastrointestinal pathology/pathophysiology, the interpretation of clinical findings, generation of a differential diagnosis, and the management of patients.

SYST 2114. Respiratory System. (3 Credit Hours)

This course aims to integrate the core elements of respiratory anatomy, physiology, and pathology with respiratory clinical medicine. It provides the student with an overview of the clinical aspects of the normal respiratory system and common respiratory pathologies, and guidance for the diagnosis, management and prevention of the most prevalent respiratory diseases.

SYST 2116A. OB/Gyn Sim. (0 Credit Hours)

This course is a simulation of a normal laboring patient, and a normal vaginal delivery. Each student performs a simulated vaginal delivery under supervision of faculty, with simulation of delivery room teamwork with other classmates. A required lecture precedes the laboratory experience to prepare students and to enhance the learning experience. The simulation performed by a faculty member is posted on D2L for students to review before their scheduled laboratory, and available for their review prior to their third-year clerkship in OB/Gyn.

SYST 2116B. Obstetrics/Gynecology. (2.5 Credit Hours)

A comprehensive introduction to human reproduction and women's health, with emphasis on obstetrics and gynecology, and breast health and disease. Lectures and small group sessions and discussions are employed with case studies for enhanced learning opportunities.

SYST 2141. Neurology. (2 Credit Hours)

Provides the student with a working knowledge of the neurological problems most commonly seen in general practice and a familiarity with the temporal profile of a variety of neurologic diseases commonly encountered by a primary care physician. Students will learn to recognize a patient with a neurologic disorder, localize a lesion within the nervous system, generate a defensible differential diagnosis, initiate an appropriate diagnostic work-up and a rational management therapy.

SYST 2201. Clinical System I: Cardio/Pulmonary. (4 Credit Hours)

This course is designed to enable the student to progress from the basic sciences previously taught in this area to the appropriate level of clinical knowledge necessary to understand the pathology and treatment options for cardiovascular and pulmonary conditions. The course provides the necessary information through didactic and workshop forums to allow students to recognize both normal and abnormal function of the heart, lungs and the combined cardio/pulmonary system. Cardiovascular and pulmonary system overviews of pathology, diagnosis and management of the patient in both office and hospital settings are presented. The first portion of the course concentrates on the cardiovascular system, diseases and diagnosis. The last portion concentrates on the respiratory system, diseases and diagnostic methods. Diagnosis and management of the patient in both the office and the hospital are considered in the lectures presented.

SYST 2205. Clinical System III: Neph/Gi/Nutrition. (3.5 Credit Hours)

The Nephrology component of this course provides a description of the structure and function of the renal system and of the interrelations of the renal system with other systems. Common renal diseases are discussed with emphasis on podiatric manifestations. The Gastrointestinal component introduces the podiatric medical student to the principles of history taking and physical examination of patients with gastrointestinal disorders with emphasis on podiatric manifestations related to the gastrointestinal system. The Nutritional component of the course reviews the macro and micronutrient features of the typical American diet and the relationship between these and the maintenance of health and the prevention/treatment of the diseases.

SYST 2206. Clinical System II: Endo/Hematology. (3.5 Credit Hours)

The Endocrine section of this course is designed to provide the student with an understanding of normal and abnormal function of the endocrine system, with emphasis on diabetes. This is important due to the clinical manifestations seen in the lower extremity, as well as complications that may arise in the surgical patient with an endocrine dysfunction. The Hematology section introduces the student to the clinical symptoms and lab finding associated with common disorders of blood including, anemias, white blood cell disorders and bleeding pathologies. The course reviews podiatric considerations for patients diagnosed with hematological disorders.

SYST 2241. Clinical System IV: Neuro/Beh Med. (3 Credit Hours)

This course provides the student with the necessary foundation through basic and clinical sciences to recognize the manifestations of neurological and behavioral disorders that will be seen in podiatric practice. The student will recognize normal and abnormal functioning of the central and peripheral nervous systems, as well as common behavioral problems and the circumstances that evoke behavioral/emotional responses. Although neurology has historically concerned itself with the organic basis of diseases and behavioral medicine with "functional" diseases that do not have a structural basis, the two disciplines are now more closely aligned. The course will focus on the underlying neuromotor disturbances that contribute to disease and explore the relationship between behavioral problems, psychiatric diagnoses, and patient cooperation.

SYST 2244. Lower Extremity Dermatology. (2 Credit Hours)

Dermatology is the medical specialty concerned with the diagnosis and management of diseases of the skin and skin related structures.

This course is designed as an introduction to clinical dermatology including, a review of basic terminology, anatomy, pathology, diagnosis, and treatment/management of skin and skin related disorders affecting the lower extremity. It provides the podiatric medical student with an understanding of the diagnostic and management principles for common dermatologic conditions and associated systemic diseases.