CAN - CLINICAL ANATOMY

CAN 501 Medical Embryology 1 (0.5 Credit Hours)
This course will occur in the first semester of year 1. The medical embryology course will include the study of the prenatal development of human cells, tissues, and organs from fertilization to birth. Focus will be primarily on morphological changes, but molecular mechanisms of development and congenital anomalies will be discussed.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 505 Medical Histology 1 (1 Credit Hours)
This course will occur in the first semester of year 1. The medical histology course will include study of microscopic anatomy (structure) and function of cells and tissues that make up the organ systems. The organization of cells and tissues are correlated with gross anatomic structure, clinical testing, and pathologic tissues.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 510 Medical Imaging 1 (1 Credit Hours)
This course will occur in the first semester of year 1. The medical imaging course will include the study of human anatomy via imaging modalities, such as radiography, ultrasonography, computed tomography (CT), magnetic resonance imaging (MRI) and fluoroscopy. Emphasis will be placed on correlating the imaging to gross anatomic structure.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 515 Medical Gross Anatomy 1 (6 Credit Hours)
This course will occur in the first semester of year 1. The gross anatomy course will provide students with a solid knowledge of whole-body anatomy and provide an understanding of human structure and function at the gross anatomical level. The gross anatomy course will also include developing pedagogic techniques in preparation for independent teaching in a gross anatomy lab. Course content includes (but not limited to) opportunities to prepare and demonstrate demo dissections, to assist medical students in dissections, to create and deliver didactics, and to assist in student assessment and grading.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 520 Medical Physiology 1 (3 Credit Hours)
This course will occur in the first semester of year 1. It will introduce medical science knowledge, particularly physiology and pathophysiology, in both a basic science and clinical framework.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 550 Medical Embryology 2 (0.5 Credit Hours)
This course will occur in the second semester of year 1. The medical embryology course will include the study of the prenatal development of human cells, tissues, and organs from fertilization to birth. Focus will be primarily on morphological changes, but molecular mechanisms of development and congenital anomalies will be discussed.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 555 Medical Histology 2 (1 Credit Hours)
This course will occur in the second semester of year 1. The medical histology course will include study of microscopic anatomy (structure) and function of cells and tissues that make up the organ systems. The organization of cells and tissues are correlated with gross anatomic structure, clinical testing, and pathologic tissues.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 560 Medical Imaging 2 (1 Credit Hours)
This course will occur in the second semester of year 1. The medical imaging course will include the study of human anatomy via imaging modalities, such as radiography, ultrasonography, computed tomography (CT), magnetic resonance imaging (MRI) and fluoroscopy. Emphasis will be placed on correlating the imaging to gross anatomic structure
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 565 Medical Gross Anatomy 2 (6 Credit Hours)
This course will occur in the second semester of year 1. The gross anatomy course will provide students with a solid knowledge of whole-body anatomy and provide an understanding of human structure and function at the gross anatomical level. The gross anatomy course will also include developing pedagogic techniques in preparation for independent teaching in a gross anatomy lab. Course content includes (but not limited to) opportunities to prepare and demonstrate demo dissections, to assist medical students in dissections, to create and deliver didactics, and to assist in student assessment and grading.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 570 Medical Physiology 2 (3 Credit Hours)
This course will occur in the second semester of year 1. It will introduce medical science knowledge, particularly physiology and pathophysiology, in both a basic science and clinical framework.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.

CAN 600 Medical Neuroscience (2.5 Credit Hours)
This course will study nervous system structure at microscopic and gross levels. It will provide an understanding of the development, structure, function and vascular supply of the spinal cord, brainstem and forebrain. It will also discuss structural (lesion) and functional deficits.
Academic Level: Graduate
Enrollment is limited to students with a program in Clinical Anatomy, Clinical Anatomy-Research or Clinical Anatomy-Teaching.