COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

CAT COMPUTED TOMOGRAPHY

CAT-210 CT Physics & Equipment 3 (3-0) Spring
Prerequisites: None
Corequisites: None
This course covers the system operations and components, image processing and display, image quality, and artifacts in computed tomography. Emphasis is placed on the data acquisition components, tissue attenuation conversions, image manipulation, and factors controlling image resolution. Upon completion, students should be able to understand the physics and instrumentation used in computed tomography.(1997 SU)

CAT-211 CT Procedures 4 (4-0) Fall
Prerequisites: None
Corequisites: None
This course is designed to cover specialized patient care, cross-sectional anatomy, contrast media, and scanning procedures in computed tomography. Emphasis is placed on patient assessment and monitoring, contrast agents' use, radiation safety, methods of data acquisition, and identification of cross-sectional anatomy. Upon completion, students should be able to integrate all facets of the imaging procedures in computed tomography.(2016 SP)

CAT-225 CT Clinical Practicum 5 (0-0-15) Fall
Prerequisites: None
Corequisites: None
This course provides the opportunity to apply knowledge gained from classroom instruction to the computed tomography clinical setting. Emphasis is placed on patient care and positioning, scanning procedures, and image production in computed tomography. Upon completion, students should be able to assume a variety of duties and responsibilities within the computed tomography clinical environment.(1997 SU)

CAT-226 CT Clinical Practicum 6 (0-0-18) Spring
Prerequisites: None
Corequisites: None
This course provides the opportunity to apply knowledge gained from classroom instruction to the computed tomography clinical setting. Emphasis is placed on patient care and positioning, scanning procedures, and image production in computed tomography. Upon completion, students should be able to assume a variety of duties and responsibilities within the computed tomography clinical environment.(1997 SU)