NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
RAD 247 – CROSS-SECTIONAL ANATOMY (3 CR.)

Course Description

Presents a specialized study of cross-sectional anatomy relevant to sectional imaging modalities such as computed tomography and magnetic resonance imaging. Lecture 3 hours per week.

General Course Purpose

This course is a component of a career certificate that is designed as a multi-competency module to provide expertise in computed tomography to registered or registry eligible technologists. The completion of the career certificate will prepare individuals for employment as computed tomographers in hospitals and imaging centers. This course will fulfill the professional continuing education requirements required by the American Registry of Radiologic Technologists.

Course Prerequisites/Corequisites

This course is offered to students who have graduated from an approved radiologic technology program and are registered or registry eligible according to the standards provided by the American Registry of Radiologic Technologists

Course Objectives

Upon completing the course, the student will be able to:

1. Identify sectional anatomy of the head and neck and correlate with CT/MRI images
2. Identify sectional anatomy of the thorax and correlate CT/MRI images
3. Identify sectional anatomy of the abdomen and correlate CT/MRI images
4. Identify sectional anatomy of the pelvis and correlate CT/MRI images
5. Identify sectional anatomy of the extremities and correlate CT/MRI images

Major Topics to be Included

A. Cross-sectional anatomy
B. Correlation with computed tomography and magnetic imaging images