



Course Outcome Summary

Required Program Core Course

RAD 217 – Advancements in Imaging

Course Information

Division	Health Sciences
Contact Hours	2
Theory	30
Lab Hours	0
Total Credits	2

Prerequisites RAD 175 – Radiographic Positioning II
RAD 180 – Radiography Clinical Practice I

Co-requisites RAD 201 – Clinical Issues in Radiography I
RAD 205 – Radiography Clinical Practice II

Course Description

This course is a continuation of advanced study in radiologic technology. Radiographic procedures and imaging methods used to access and demonstrate special anatomical areas or systems are investigated. The pathological processes that necessitate radiological investigation are introduced and correlated with their diagnostic manifestation on the imaging modality utilized.

This course is a required core course for students pursuing an Associate of Applied Science - Radiography

Program Outcomes Addressed by this Course:

The successful completion of this course will assist students towards meeting the following program outcomes:

- demonstrate the knowledge and skills necessary for competency as an entry-level Radiologic Technologist/Radiographer by operating and manipulating radiographic equipment to produce high-quality images and by practicing safe patient care for a diverse population.
- apply critical thinking skills in their field by adapting to non-routine procedures and by identifying and troubleshooting issues with radiographic processes.
- communicate effectively and professionally with peers, interprofessional teams, and diverse patient populations.

Course Outcomes

In order to evidence success in this course, the students will be able to:

- differentiate the roles of imaging personnel in advanced imaging modalities.
Applies to Program Outcome A
- discuss the techniques, related anatomy, and equipment needed in advanced imaging modalities.
Applies to Program Outcome A
- select the most appropriate imaging modality for a given patient scenario or disease.
Applies to Program Outcomes A & B
- identify common pathologies by description or radiologic presentation relevant to imaging sciences.
Applies to Program Outcome A



MONROE COUNTY
COMMUNITY COLLEGE

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5. present research on a specific pathology relevant to medical imaging.
Applies to Program Outcome A, B & C

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