



Course Information

Division	Health Sciences
Contact Hours	1
Theory	15
Lab Hours	15
Total Credits	1

Prerequisites

RAD 100 – Introduction to Rad Tech
RAD 110 – Radiation Physics
RAD 113 – Radiation Biology
BIOL 258 – Anatomy & Physiology II

Co-requisites

RAD 115 – Principles of Rad. Exposure
RAD 130 – Radiographic Positioning I

Course Description

This course continues and summarizes the study of the principles of radiation protection included in previous program courses. The practical applications of radiation protection in the clinical setting are discussed. Minimizing patient exposure while maintaining image quality is emphasized, as is radiation safety for medical imaging staff and other medical professionals.

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:

- describe the major principles of radiation safety for patients and medical workers from a biologic and legal standpoint.
Applies to Program Outcome A
- calculate and interpret safety data.
Applies to Program Outcomes A & B
- describe technique modifications that ensure quality imaging while maintaining optimal safety.
Applies to Program Outcome A
- create a brochure highlighting key points of radiation protection.
Applies to Program Outcome C

Date Updated: 3/05/2024



MONROE COUNTY
COMMUNITY COLLEGE

By: H. Stripling

Course Outcome Summary

Required Program Core Course

RAD 213 – Radiation Protection