



Course Information

Division	Health Sciences
Contact Hours	1
Theory	15
Lab Hours	0
Total Credits	1

Prerequisites Acceptance into the Radiography Program

Co-requisites RAD 100 – Introduction to Rad Tech
RAD 110 – Radiation Physics
BIOL 258 – Anatomy & Physiology II

Course Description

This course provides a study of the application of radiation and its effects. Areas of concentration are on the response and the biological effects of ionizing radiation on cells and tissues.

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:

- A. 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.
- C. 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:

1. discuss principles of cellular biology and the effects of various types and lengths of radiation on human cells and tissues.
Applies to Program Outcome A
2. differentiate pathophysiologic responses to radiation exposure.
Applies to Program Outcome A
3. present research and evaluation of case studies relating to course concepts.
Applies to Program Outcome C

Date Updated: 3/05/2024
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