



Course Outcome Summary

Required Program Core Course

RAD 130 – Radiographic Positioning I

Course Information

Division	Health Sciences
Contact Hours	6
Theory	45
Lab Hours	45
Total Credits	4

Prerequisites

RAD 100 – Introduction to Rad Tech
RAD 110 – Radiation Physics
RAD 113 – Radiation Biology

Co-requisites

RAD 115 – Principles of Rad. Exposure
RAD 213 – Radiation Protection

Course Description

This combination lab/lecture course presents an introduction to radiographic positioning fundamentals, terminology, and procedures. The study of the fundamentals of patient care and handling is integrated with study of the basic radiographic procedures of the thorax, abdomen, upper and lower extremities, pelvic girdle, spinal column, cranium, facial bones, and sinuses. Digital imaging basics are studied as well. Practice of the basic skills required for these procedures will be done in a regional X-ray lab and/or via VR as needed.

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
- demonstrate the values, attitudes, and behaviors necessary of an entry-level Radiologic Technologist/ Radiographer

Course Outcomes

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

- critique orders, requests, and diagnostic reports for appropriateness.
Applies to Program Outcomes A & B
- demonstrate proper positioning for radiographic imaging as ordered, including use of appropriate positioning aids and modification of technique for special considerations as necessary.
Applies to Program Outcomes A & B
- effectively and respectfully communicate with diverse patient populations, modifying instructions as necessary due to communication barriers and cultural considerations.
Applies to Program Outcomes B, C, & D



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4. evaluate images for positioning, centering, appropriate anatomy, and overall image quality.
Applies to Program Outcome A & B
5. demonstrate the clinical skills necessary for safe and effective patient care, including starting IVs, proper asepsis, and recognition of common medications for the field of radiography.
Applies to Program Outcome A
6. simulate radiographic procedures on a person or phantom in a laboratory setting, applying safety and protection practices as appropriate.
Applies to Program Outcome A

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