
SECTION HEADING

RADT 1100: Introduction to Radiography & Patient Care

Description

Introduction to Radiography and Patient care provides the basic concepts of patient care in radiography as well as introduce radiology, radiology as a career, radiologic technologist roles, and radiologic technology education. The role of the radiographer will be identified as well as basic information regarding making radiographic exposures. The student will be introduced to the specialized modalities of radiography as well as cross-sectional imaging.

Credits

4

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Radiographic Imaging & Radiographic and Fluoroscopic Equipment
2. Basic Radiation Protection and Radiobiology
3. Patient Care and Interactions
4. Safe Patient Movement and Handling Techniques and Immobilization
5. Ultrasound, Radiation Therapy, Cross Sectional Anatomy, Nuclear Medicine, MRI & PET, Mammography & Bone Densitometry

Learning Outcomes

1. Describe the scope of practice for the radiographer as defined by the ASRT.
2. Demonstrate appropriate patient care techniques.
3. Determine environmental safety procedures.
4. Recognize medical emergencies and traumatic injuries.
5. Manipulate equipment for all radiographic procedures.
6. Demonstrate basic understanding of radiation protection and ALARA principle.
7. Identify characteristics of a quality radiograph.
8. Describe basic components of image production.
9. Explain the basic concepts of pharmacology and the drugs used in radiology.
10. Discuss special imaging modalities in radiography including MRI, Ultrasound, DEXA, Nuclear Medicine, and Radiation Therapy.

Credit Details

Lecture: 3

Lab: 1

OJT: 0

MnTC Goal Area(s): None