Course Title:
Introduction to Radiography & Patient Care

Catalog 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.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Goal 1: Communication: _____ by meeting the following competencies:

Goal 2: Critical Thinking: _____ by meeting the following competencies:

Goal 3: Natural Sciences: _____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: _____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: _____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: _____ by meeting the following competencies:

Goal 7: Human Diversity: _____ by meeting the following competencies:

Goal 8: Global Perspective: _____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: _____ by meeting the following competencies:

Goal 10: People and the Environment: _____ by meeting the following competencies:

Topics to be Covered (General)
Radiographic Imaging & Radiographic and Fluoroscopic Equipment
Basic Radiation Protection and Radiobiology
Patient Care and Interactions
Safe Patient Movement and Handling Techniques and Immobilization
Ultrasound, Radiation Therapy, Cross Sectional Anatomy, Nuclear Medicine, MRI & PET, Mammography & Bone Densitometry

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

Is this course part of a transfer pathway:  Yes ☐ No ☒
*If yes, please list the competencies below

Revised Date: 03/28/2023