Course Information Form (CIF)

Course Code: XMR 217
Course Title: MRI Clinical

Department: Allied Health
Effective Date: Summer 2026
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 51.0907
Repeatability: 0

Credit Hours

Catalog Notation: 0-40-6
Credit Hour Distribution:

Lecture: 0	Lab: 0	Clinical: 40	**Total: 6**

General Course Information

Catalog Description

Students will perform Magnetic Resonance Imaging procedures based on previous coursework and clinical objectives as outlined in the ARRT clinical experience requirements.

General Course Objectives

Students will demonstrate knowledge and appropriate Magnetic Resonance Imaging in clinical practice.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	None

Prerequisites

ARRT primary certification
Admission into the Radiologic Technology program

Methods of Evaluation

2-4 clinical evaluations.

Instructional Materials and Additional Supplies

ARRT Clinical Experience Requirement for Magnetic Resonance

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Patient Care and Assessment	1. Identify patient and procedure as listed on requisition and/or medical record. 2. Detect patient condition prior to, during, and after MRI procedures. 3. Prepare the examination room.	0	0	55
Patient Education and History	1. Assemble patient history, including allergies. 2. Demonstrate knowledge of all MRI exams, including MRI safety procedures and precautions. 3. Explain the procedure to the patient, including discharge with post-procedure instructions. 4. Complete a MRI safety screening for all MRI procedures.	0	0	35
Patient Positioning and QC Phantom Procedures	1. Demonstrate knowledge of anatomy and skill in patient positioning for all MRI exams. 2. Perform MRI exams of the head, neck, spine, thorax, abdomen, pelvis, musculoskeletal systems, and additional imaging procedures. 3. Demonstrate MRI Quality Control Procedures.	0	0	170
Imaging Technique and Evaluation, Exam Protocol, and Parameter Selection	1. Select appropriate imaging coil, protocol, parameters and technical factors, and patient positioning for all MRI exams. 2. Operate MRI image display, image reconstruction, and archiving systems. 3. Evaluate the image for technical quality, correct anatomic regions, relevant pathology, and exam completeness.	0	0	170
Contrast Administration and Documentation	1. Prepare and administer contrast media. 2. Follow standard precautions during the procedure.	0	0	115
Post MRI Exam Protocol	1. Discharge the patient with any post MRI exam procedure instructions.	0	0	55

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
0	0	300