

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

**DEPT. RADT**

**COURSE NUMBER: 1110**

**NUMBER OF CREDITS: 6**

**Lecture: 5 Lab: 1 OJT 0**

<b>Course Title:</b>
Radiological Procedures I

<b>Catalog Description:</b>
Radiological Procedures I provides the student with the knowledge necessary to perform radiographic procedures relative to the upper extremities, lower extremities, shoulder, pelvic girdle, thorax, and spine. Emphasis will be on radiographic terms, anatomy, positioning, manipulation of radiographic equipment and accessories, and related patient care considerations.

<b>Prerequisites or Necessary Entry Skills/Knowledge:</b>
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)

Demonstrate the ability to accurately position patients for all radiographic exams covered in this course as well as to be able to identify all radiographic anatomy covered within this course.

Help students improve the effectiveness of their thinking skills by adopting positioning skills to the specific needs of all patients in the radiology department.

Help students improve their oral and written communication skills through simulating patient care situations and the impact that has on the radiology patients

### Student Learning Outcomes

Demonstrate proper use of positioning aids in the laboratory setting.

Discuss general procedural considerations for radiographic examinations.

Adapt general procedural considerations to specific clinical settings.

Identify the structures demonstrated on routine radiographic procedures

Simulate radiographic procedures on a person or phantom in a laboratory setting.

Evaluate images for positioning, centering, appropriate anatomy, and overall image quality.

Discuss equipment and supplies necessary to complete radiographic procedures.

List and explain the routine and special views for all radiographic procedures covered in this course.

Explain radiographic procedures to patients/family members.

Apply general radiation safety and protection practices associated with radiologic examinations.

**Is this course part of a transfer pathway: Yes ☐ No ☒**

**\*If yes, please list the competencies below**

Revised Date: 03/28/2023