Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

**DEPT. RADT COURSE NUMBER: 1110**

**NUMBER OF CREDITS:** 4 **Lecture:** 3 **Lab:** 1 **OJT** N/A

<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Radiological Procedures I</th>
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<th>Catalog Description:</th>
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<td>Provide the student with the knowledge necessary to perform radiographic procedures relative to the upper extremities, lower extremities, shoulder and pelvic girdle. Emphasis will be on radiographic terms, anatomy, positioning, manipulation of radiographic equipment and accessories, and related patient care considerations.</td>
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<tr>
<th>Prerequisites or Necessary Entry Skills/Knowledge:</th>
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**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)

1) **ACADEMIC CONTENT**: The academic objectives of this course are for the student to 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.

2) **THINKING SKILLS**: This course will help students improve the effectiveness of their thinking skills by adopting positioning skills to the specific needs of all patients in the radiology department.

3) **COMMUNICATIONS SKILLS**: This course will 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

1. Demonstrate proper use of positioning aids in the laboratory setting.
2. Discuss general procedural considerations for radiographic examinations.
3. Adapt general procedural considerations to specific clinical settings.
4. Identify the structures demonstrated on routine radiographic procedures.
5. Simulate radiographic procedures on a person or phantom in a laboratory setting.
6. Evaluate images for positioning, centering, appropriate anatomy, and overall image quality.
7. Discuss equipment and supplies necessary to complete radiographic procedures.
8. List and explain the routine and special views for all radiographic procedures covered in this course.
9. Explain radiographic procedures to patients/family members.
10. Apply general radiation safety and protection practices associated with radiologic examinations.

See SAMPLE EXPECTED LEARNING OUTCOMES STATEMENTS and ACTION VERB LIST FOR COURSE OUTCOMES in the Minnesota West Curriculum Development Manual which can be accessed at [https://www.mnwest.edu/faculty-resources/curriculum-manual](https://www.mnwest.edu/faculty-resources/curriculum-manual)

## Is this course part of a transfer pathway?

Yes □   No ☒

*If yes, please list the competencies below*