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:** 1120

**NUMBER OF CREDITS:** 3 credits  **Lecture:** 1  **Lab:** 2  **OJT** NA

**Course Title:** Radiological Procedures II

**Catalog Description:**
This course will provide the student with the knowledge necessary to perform radiographic procedure relative to the urinary system, the bony thorax, skull, vertebral column and arthrology. Emphasis will be on radiographic terms, anatomy, positioning, manipulation of radiographic equipment and accessories, and patient care considerations related to radiography of the urinary system, bony thorax, vertebral column, skull and arthrography. Basic techniques in venipuncture, contrast media types, intravenous medication and emergency response will also be included.

**Prerequisites or Necessary Entry Skills/Knowledge:**
RADT1110

**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)
- Bony Thorax
- Vertebra
- Gastrointestinal System
- Skull
- Venipuncture

### Student Learning Outcomes
1. Discuss general procedural considerations for radiographic/fluoroscopic examinations.
2. Cite the structures demonstrated on routine radiographic/fluoroscopic procedures.
3. Simulate radiographic/fluoroscopic procedures on a person or phantom in a laboratory setting.
4. Evaluate images for adequate positioning, appropriate anatomy, and overall image quality.
5. Cite equipment needed, patient preparation and supplies necessary to complete radiographic/fluoroscopic procedures.
6. Explain the contrast media including the purpose, types, dosage, and route of administration.
7. Explain radiographic procedures to patients/family members.
8. Apply general radiation safety and protection practices associated with radiologic examinations.
9. Demonstrate venipuncture technique.

**Is this course part of a transfer pathway:** Yes [ ] No [x]

Revised Date: 08/19/20