

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. RADT

COURSE NUMBER: 2250

NUMBER OF CREDITS: 3

Lecture: 0 Lab: 0 OJT: 3 = 135 hrs

### Course Title:

Clinical Radiography III

### Catalog Description:

Clinical Radiography III applies and analyzes previously learned concepts and theories in radiologic procedures. Focus will be on performance of competency based radiologic procedures, patient care, and demonstration of professionalism during day to day activities within the radiology department. Clinical practice will be designed to allow student to evaluate and perform diagnostic exams on live patients with follow up critique of images. An emphasis on manipulation of radiologic equipment and accessories will also be evaluated. Student independence on previously learned exams will be stressed.

### Prerequisites or Necessary Entry Skills/Knowledge:

RADT 1160

### 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 positioning skills of radiographic procedures.

Identify routine projections and anatomical structures for radiology exams.

Relating to patient condition and providing patient care appropriately.

Relating to all aged patients ranging from pediatrics through geriatrics.

Exploring cultural differences as it relates to all individuals within the healthcare environment.

Relaying instructions to patients and families prior, during, and after radiographic procedures.

Review images and determine changes to improve.
Adapt positioning skills to different types of body structures.
Recall prior knowledge and apply to unique situations within the clinical setting.
Recognize different radiographic equipment and appreciate its uses.

<b>Student Learning Outcomes</b>
Execute medical imaging procedures under the appropriate level of supervision.
Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
Apply theory to clinical practice.
Adapt to changes and varying clinical situations.
Provide patient-centered clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
Integrate the use of appropriate and effective written, oral and nonverbal communication with patients, the public and members of the health care team in the clinical setting.
Demonstrate professionalism in clinical practice.
Apply standard precautions to all patients.
Demonstrate competency in the principles of radiation protection standards.
Integrate the radiographer's practice standards into clinical practice setting.
Maintain patient confidentiality standards and meet HIPAA requirements.
Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
Critique images for appropriate anatomy, image quality and patient identification.
Determine corrective measures to improve inadequate images.
Obtain final competency evaluations in specified number of exams.
Exhibit willingness to take responsibility for actions.
Relay patient medical history to the radiologist and other members of the healthcare team.
Demonstrate a progression toward a higher level of confidence and independence.
Exercise critical thinking skills in adapting to trauma and emergency patients, responding appropriately to patient condition.

<b>Is this course part of a transfer pathway:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<small>*If yes, please list the competencies below</small>

Revised Date: 4/24/2023