DEPT.  RADT  COURSE NUMBER:  1150

NUMBER OF CREDITS:  8 Lecture:  NA  Lab:  NA  OJT 8 (360 hrs)

Course Title: Clinical Radiography I

Catalog Description:
Apply and analyze 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.

Prerequisites or Necessary Entry Skills/Knowledge:
Intro to Radiography & Patient Care
Radiographic Procedures I

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)

ACADEMIC CONTENT: The academic objectives of this course are:
a. Demonstrate positioning skills of radiographic procedures.
b. Identify routine projections and anatomical structures for radiology exams.
c. Recognize different radiographic equipment and appreciate its uses.

THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
a. Recall prior knowledge and apply to unique situations within the clinical setting.
b. Adapt positioning skills to different types of body structures.
c. Review images and determine changes to improve.

COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
a. Relaying instructions to patients and families prior, during, and after radiographic procedures.
b. Relating to patient condition and providing patient care appropriately.

HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
a. Exploring cultural differences as it relates to all individuals within the healthcare environment.
b. Relating to all aged patients ranging from pediatrics through geriatrics

Student Learning Outcomes

1. Apply theory to clinical practice.
2. Execute medical imaging procedures under the appropriate level of supervision.
3. Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
4. Adapt to changes and varying clinical situations.
5. Provide patient-centered clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
6. 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.
7. Demonstrate professionalism in clinical practice.
8. Apply standard precautions to all patients.
9. Demonstrate competency in the principles of radiation protection standards.
10. Integrate the radiographer’s practice standards into clinical practice setting.
11. Maintain patient confidentiality standards and meet HIPAA requirements.
12. Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
13. Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
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

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

*If yes, please list the competencies below

Revised Date: 8/2020