Faculty is 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: 2250

NUMBER OF CREDITS: 8

COURSE TITLE: Clinical Radiography III

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. Student independence on previously learned exams will be stressed.

AUDIENCE : Radiologic Technology Students

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*
Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE:
Clinical II

LENGTH OF COURSE : Twenty four hours per week for sixteen weeks.

THIS COURSE IS USUALLY OFFERED:
Every other year □ fall X□ spring □ summer □ undetermined □

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) 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 and manipulate different types of radiographic equipment.
2) 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 on an independent basis.

3) 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.

4) 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.

TOPICS TO BE COVERED:
See course goals and outcomes.

LIST OF EXPECTED COURSE 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 independently.
15. Determine corrective measures to improve inadequate images.
16. Obtain final competency evaluations in specified number of exams.
17. Exhibit willingness to take responsibility for actions.
18. Relay patient medical history to the radiologist and other members of the healthcare team.
19. Demonstrate a progression toward a higher level of confidence and independence.
20. Exercise critical thinking skills in adapting to trauma and emergency patients, responding appropriately to patient condition.

LEARNING/TEACHING TECHNIQUES used in the course are:
X  Collaborative Learning   X  Problem Solving
☐ Student Presentations   ☐ Interactive Lectures
☐ Creative Projects   ☐ Individual Coaching
☐ Lecture   ☐ Films/Videos/Slides
X Demonstrations   ☐ Other (describe below)
☐ Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X  Tests   ☐ Individual Projects
☐ Oral Presentations   X  Worksheets   ☐ Collaborative Projects
X  Textbook Problems   ☐ Papers   ☐ Portfolio
☐ Group Problems   ☐ Term Paper
X  Other (describe below)

Technologist Evaluation and Clinical Coordinator Assessment

EXPECTED STUDENT LEARNING OUTCOMES:

The information in this course outline is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

A Member of the Minnesota State Colleges and Universities System
An Affirmative Action Equal Opportunity Educator/Employer

7/30/13