 Faculty 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 Collegewide Curriculum Committee.

DEPT: Radiology  COURSE NO: RADT2270

COURSE TITLE: Clinical Radiography V

CATALOG DESCRIPTION: Content and clinical practice experiences shall be designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of radiologic procedures. Through structural sequential, competency-based assignments in clinical setting, concepts of team practice, patient centered clinical practice and professional development shall be discussed, examined and evaluated. Clinical practice experiences shall be designed to provide patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement shall ensure the well-being of the patient preparatory to, during and following the radiologic procedure. This clinical course emphasizes the development of independence, discretion, and judgment while performing basic radiographic procedures. It provides the student with the opportunity to function as a nearly registry eligible radiographer. The student is expected to correlate all clinical and didactic experiences while demonstrating a high degree of proficiency and efficiency.

AUDIENCE: Radiologic Technology Students

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)

Area : by meeting the following competencies:
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PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Clinical Radiography IV

LENGTH OF COURSE: Twenty-Four hours per week for 12 weeks.

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

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

1) ACADEMIC CONTENT: The student will develop positioning skills of the anatomical structures covered in this course. The student will also demonstrate
competency in radiologic procedures/exams as outlined on the competency completion checklist.

2) THINKING SKILLS: The student will be able to adapt positioning and patient care skills to all patients in the radiology department.

3) COMMUNICATIONS SKILLS: The student will determine the appropriate method of communication for each individual they interact within the health care environment.

4) HUMAN DIVERSITY: The student will explore cultural influences as it relates to all individuals they interact with in the health care environment.

TOPICS TO BE COVERED:
See course goals and outcomes.

LIST OF EXPECTED COURSE OUTCOMES:
1. Apply theory to clinical practice.
2. Exercise the priorities required in daily clinical practice.
3. Execute medical imaging procedures under the appropriate level of supervision.
4. Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
5. Adapt to changes and varying clinical situations.
6. Provide patient-centered clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
7. 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.
8. Integrate appropriate personal and professional values into clinical practice.
9. Demonstrate competent assessment skills through effective management of the patient’s physical and mental status.
10. Respond appropriately to medical emergencies.
11. Apply standard and transmission-based precautions.
12. Apply the appropriate medical asepsis and sterile technique.
13. Demonstrate competency in the principles of radiation protection standards.
14. Apply the principles of total quality management.
15. Examine procedure orders for accuracy and make corrective actions when applicable.
16. Integrate the radiographer’s practice standards into clinical practice setting.
17. Maintain patient confidentiality standards and meet HIPAA requirements.
18. Differentiate between emergency and nonemergency procedures.
19. Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
20. Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
22. Determine corrective measures to improve inadequate images.
23. Obtain final competency evaluations as outlined in the competency completion checklist.
24. Exhibit willingness to take responsibility for actions.
25. Relay patient medical history to the radiologist and other members of the healthcare team.
26. Demonstrate a progression toward a higher level of confidence and independence.

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

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

EXPECTED STUDENT LEARNING OUTCOMES: See Above.

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 Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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