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: 1100

NUMBER OF CREDITS: 3

COURSE TITLE: Intro to Radiography and Patient Care

CATALOG DESCRIPTION: Provide the basic concepts of patient care in radiography as well as introduce to radiology, radiology as a career, radiologic technologist roles, and radiologic technology education. The role of the radiographer will be identified as well as basic information regarding making radiographic exposures.

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:

LENGTH OF COURSE: 4 hours per week for 16 weeks

THIS COURSE IS USUALLY OFFERED:
Every other year fall 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. Identify the basic concepts of the patient care procedures in radiologic technology
   b. Explore the role of the radiologic technologist in health care environment.
   c. Identify standard radiology positioning terminology
2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. Adapting patient care skills to the specific needs of each radiology patient.

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. Exploring various methods of communication and determine the appropriate method for each individual they interact within the health care environment.

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
   a. Exploring cultural influences relative to all patients in radiology.

TOPICS TO BE COVERED:
See below.

LIST OF EXPECTED COURSE OUTCOMES:
1. Describe the scope of practice for the radiographer as defined by the ASRT and state licensure.
2. Demonstrate appropriate patient care techniques.
3. Determine environmental safety procedures.
4. Recognize medical emergencies and traumatic injuries.
5. Manipulate equipment for all radiographic procedures.
6. Recognize basic understanding of radiation protection and ALARA principle
7. Demonstrate appropriate radiation protection procedures for all radiographic exams.
8. Discuss the history of radiology.
9. Describe basic components of image production.
10. Identify characteristics of a quality radiograph.
11. Describe basic components of image production.
12. Identify characteristics of a quality radiograph.
13. Utilize mathematical concepts to manipulate image quality.
14. Explain the basic concepts of pharmacology and the drugs used in radiology.
15. Identify standard positioning terms used in radiography
LEARNING/TEACHING TECHNIQUES used in the course are:

- [x] Collaborative Learning
- [ ] Problem Solving
- [ ] Student Presentations
- [ ] Interactive Lectures
- [ ] Creative Projects
- [ ] Individual Coaching
- [x] Lecture
- [ ] Films/Videos/Slides
- [x] Demonstrations
- [ ] Other (describe below)
- [x] Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- [x] Reading
- [ ] Tests
- [x] Individual Projects
- [ ] Oral Presentations
- [x] Worksheets
- [x] Collaborative Projects
- [ ] Textbook Problems
- [ ] Papers
- [ ] Collaborative Projects
- [x] Group Problems
- [ ] 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 via your preferred Telecommunications Relay Service.

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7/30/13