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: RADT2230

COURSE TITLE: Radiological Pathology

CATALOG DESCRIPTION: This course is designed to introduce theories of disease causation and the pathophysiologic disorders that compromise health systems. Etiology, pathophysiologic responses, clinical manifestations, radiographic appearance and management of alterations in body systems will be presented.

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: Radiological Exposures II & BIOL2202

LENGTH OF COURSE: Two hours per week for 16 weeks.

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

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

1) ACADEMIC CONTENT: The student will identify disease processes and their radiographic appearance.
2) THINKING SKILLS: The student will be able to modify radiographic exam procedures to accommodate various disease processes.
3) COMMUNICATIONS SKILLS: The student will explore their values and experience and the impact on all radiology patients and health care.
4) HUMAN DIVERSITY: The student will explore cultural influences as it relates all radiology patients.

TOPICS TO BE COVERED:
See course goals and outcomes.
LIST OF EXPECTED COURSE OUTCOMES:
1. Define basic terms related to pathology.
2. Describe the basic manifestations of pathological conditions and their relevance to radiologic procedures.
3. Discuss the classifications of trauma.
4. Describe imaging procedures used in diagnosing disease.
5. List the causes of tissue disruption.
6. Describe the healing process.
7. Identify the complications connected with the repair and replacement of tissue.
8. Describe the various systemic classifications of disease in terms of etiology, types, common sites, complications and prognosis.
9. Describe the radiographic appearance of diseases.
10. Identify imaging procedures and interventional techniques appropriate for diseases common to each body system.
11. Identify diseases caused by or contributed to by genetic factors.

LEARNING/TEACHING TECHNIQUES used in the course are:
X Collaborative Learning
Student Presentations
X Creative Projects
X Lecture
X Demonstrations
X Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading
X Tests
X Individual Projects
X Textbook Problems
X Worksheets
X Collaborative Projects
□ Oral Presentations
□ Papers
□ Portfolio
□ 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 Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.