MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

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. NURS  COURSE NUMBER: 2130
NUMBER OF CREDITS: 2

COURSE TITLE: Pharmacology: a Pathophysiologic Approach

CATALOG DESCRIPTION: Provides an opportunity to synthesize pharmacologic, basic pathophysiologic and nursing concepts to minimize risk of harm for patients. Promotes use of current information to prevent error and support decision making.

AUDIENCE: Students in Associate in Science Nursing Program

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: Admission to the Associate in Science nursing program

LENGTH OF COURSE: Fall semester

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. Students will review pharmacologic principles from prior education, integrating them with basic pathophysiology.
   b. Students will appreciate nursing safety implications related to pharmacology.

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. Synthesis of concepts from pharmacology, pathophysiology and nursing will be required.

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. Students will express pharmacologic concepts clearly, accurately, and succinctly to facilitate patient safety.
4) **HUMAN DIVERSITY:** This course will help students recognize, understand, and appreciate human diversity through:
   a. Pharmacologic principles will be applied while caring for unique individuals.

**TOPICS TO BE COVERED:**
Classifications of medications are reviewed with emphasis placed on the pathophysiologic situations in which medications are utilized. Therapeutic effects, side effects, and adverse effects of medications will be correlated with patient safety issues. Pathophysiology as related to body defenses, hematopoiesis, cardiovascular function, respiratory function, urinary function, digestive function, neural function, and endocrine function will be correlated with pharmacologic therapy and patient safety.

**LIST OF EXPECTED COURSE OUTCOMES:**
Upon completion of the course the learner will be able to:
1. Review classifications of medications utilized to manage common disorders.
2. Integrate knowledge of pathophysiology with principles of pharmacology to facilitate patient safety.
3. Explain therapeutic effects, side effects, and adverse effects of classes of medications from a pathophysiologic perspective.
4. Explain patient centered care interventions to facilitate safety related to pharmacologic therapy.
5. Identify priority assessments and interventions that demonstrate clinical judgment and facilitate pharmacologic safety

**LEARNING/TEACHING TECHNIQUES** used in the course are:
- [ ] Collaborative Learning
- [x] Student Presentations
- [ ] Creative Projects
- [x] Lecture
- [ ] Demonstrations
- [ ] Lab

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

**EXPECTED STUDENT LEARNING OUTCOMES:**
**NLN Human Flourishing:** Graduate will advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
1A. QSEN: Patient centered care: Graduate will recognize the patient or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for patient's preferences, values, and needs.

**NLN Nursing Judgment:** Graduate will make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.

2A. QSEN: Safety- Graduate will minimize risk of harm to patients and providers through both system effectiveness and individual performance.

**NLN Spirit of Inquiry:** Graduate will examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

4B. QSEN: Evidence Based Practice – Graduate will integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.

The information in this course outline is subject to revision.

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.

**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.

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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