

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. NURS

COURSE NUMBER: 1130

NUMBER OF CREDITS: 3

Lecture: 3 Lab: 0 OJT: 0

Course Title:

Pharmacology I

Catalog Description:

Pharmacology I introduces pharmacological concepts, drug classifications, and affects of drugs on the client. It prepares the student for dosage calculations and the administration of medications.

Prerequisites or Necessary Entry Skills/Knowledge:

Acceptance into the Practical Nursing Program.

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

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered

Nursing Foundation of Clinical Pharmacy

Safe Drug Administration – all forms

Drugs that Affect the Endocrine System

Drugs that Affect the Respiratory System

Drugs that Affect the Cardiovascular System

Drugs that Affect the Immune System

Drugs Used to Fight Infections

Dosage Calculations

Student Learning Outcome

Recognize reliable information related to pharmacology that supports patient care, reduces reliance on memory, and enhances competency within the practice setting.

Identify management and organization of care in the patient receiving various pharmacological therapies.

Recognize the major classifications of medications, common medications within each classification, potential/actual complications (side effects), contradictions and rationales for medication administration.

Describing the nursing process when administering pharmacological therapies in the plan of care for patients across the lifespan.

Review learning needs for patients taking various classifications of medications.

Describe the legal and ethical implications/aspects of medication administration.

Describe principles of safe medication administration in relation to pharmacology, pharmacokinetics, and pharmacodynamics and the nurses' role in preventing medication errors.

Recognize one's responsibility to prevent actual/potential patient complications related to pharmacological therapies.

Is this course part of a transfer pathway: Yes No

***If yes, please list the competencies below**

Revised Date: 1/25/2022