

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. NURS

COURSE NUMBER: 1230

NUMBER OF CREDITS: 3

Lecture: 3 Lab: 0 OJT 0

Course Title:
Pharmacology II

Catalog Description:
Pharmacology II builds on pharmacological concepts, drug classifications, and effects of drugs on the client from Pharmacology I. It prepares the learner for dosage calculations and the administration of medications.

Prerequisites or Necessary Entry Skills/Knowledge:
Acceptance into the Practical Nursing Program and successful completion of NURS 1130.

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
Antineoplastic Drugs
Drugs that Affect the Urinary System
Drugs that Affect the Gastrointestinal System
Drugs used to Manage Pain
Drugs that Affect the Peripheral Nervous System
Drugs that Affect the Central Nervous System
Drugs that Affect the Neuromuscular System
Drugs that Affect the Endocrine System
Dosage Calculations

Student Learning Outcomes

Determine reliable information related to pharmacology that support patient care, reduces reliance on memory, and enhances competency within the practice setting. (SLO: Informatics/Technology)

Utilize the major classifications of medications, common medications within each classification, potential/actual complications (side effects), contradictions and rationales for medication administration in the care of the patient. (SLO: Nursing Judgement/Evidence Based Care)

Apply the nursing process when administering pharmacological therapies in the plan of care for patients across the lifespan. (SLO: Patient/Relationship Centered Care)

Contribute to the plan of care of learning needs for patients taking various classifications of medications. (SLO: Patient/Relationship Centered Care)

Analyze ethical and legal implications related to the administration of medication to clients across the lifespan. (SLO: Professional Identity and Behavior)

Analyze environmental safety and potential complications related to effects of pharmacological therapies. (SLO: Safety)

Apply principles of safe medication administration in relation to pharmacology, pharmacokinetics, and pharmacodynamics and the nurses' role in preventing medication errors. (SLO: Safety)

Analyze one's responsibility to prevent actual/potential patient complications related to pharmacological therapies. (SLO: Safety)

Is this course part of a transfer pathway: Yes ☐ No ☒

Revised Date: 11/11/2021