COMMON COURSE OUTLINE: Course discipline/number/title: PNM 1230: Introduction to Pharmacology I

A. CATALOG DESCRIPTION
1. Credits: 2
2. Hours/Week: 1.5 hours lecture and .5 hours lab per week
3. Prerequisites (Course discipline/number): Satisfactory completion of PNM 1210, pnm 1220. Previous or concurrent registration in BIOL 1107, ENGL 1117. Concurrent registration in PNM 1240.
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This introductory course provides concepts of basic pharmacology and methods for calculating drug dosages. Principles and skills related to medication preparation and administration of non-parenteral medications will be emphasized. Medication classification, action, and effects are discussed. Laboratory performance of non-parenteral medications will be demonstrated prior to clinical administration of medications to patients.

B. DATE LAST REVISED (Month, year): January, 2009

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Basic math concepts, dosage calculations
2. Professional responsibilities, and LPN scope of practice related to medication administration
3. Data collection related to non-parenteral medications
4. Use of medication resources, and medication delivery systems
5. Medication abbreviations and symbols
6. Proper medication preparation and administration with non-parenteral medications
7. Documentation of medication administration
8. Pharmaco/therapeutic needs of the elderly with non-parenteral medications

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Perform accurate drug dosage calculation.
2. Utilize medication resources regarding the following:
   a) Identify basic pharmacology information related to drug classification for non-parenteral medications.
   b) Identify basic pharmacology information related to therapeutic effects for non-parenteral medications.
   c) Identify basic pharmacology information related to side effects for non-parenteral medications.
   d) Identify basic pharmacology information related to nursing interventions for non-parenteral medications.
3. Demonstrate data collection related to administering non-parenteral medications.
4. Identify safety measures utilizing various medication delivery systems.
5. Identify the meanings of abbreviations and symbols related to non-parenteral medication administration.
6. Demonstrate proper drug order interpretation and implementation.
7. Demonstrate proper medication preparation with non-parenteral medications.
8. Demonstrate proper medication administration with non-parenteral medications.
9. Demonstrate proper documentation of medication administration related to non-parenteral medications.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Laboratory demonstration of competency in medication administration (Practical skills tests)
2. Quizzes and exams
3. Minnesota Board of Nursing abilities of nursing skills and procedures in the lab.
4. Assignments

G. SPECIAL INFORMATION (if any): None