

# North Hennepin Community College

## NURS 2820: Pharmacology and the Role of the Professional Nurse

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

NURS 2700 - Foundations of Nursing - Health Promotion; OR

NURS 2720 - Transition to the Role of the Professional Nurse; OR

NURS 2750 - Nutrition and the Role of the Professional Nurse; OR

BIOL 2112 - Human Anatomy and Physiology II (Minimum grade: 1.67 GPA equivalent)

Corequisites: NURS 2850

MnTC Goals: None

This course introduces theoretical concepts that enable students to provide safe and effective care related to pharmaceuticals and natural products to diverse clients across the lifespan. A framework is presented for approaching the study of pharmacotherapeutics including pharmaceutical research and regulation, quality and safety, major drug classifications, and clinical management.

Prerequisites: Admission to the Nursing Program, BIOL 2112, NURS 2700 or 2720, and NURS 2750

Co-requisites: NURS 2800 and 2850

Strongly Recommended to be taken prior to or concurrently: SOC 1110

### B. COURSE EFFECTIVE DATES: 12/31/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Drug classification and prototypes.
2. Analysis of each drug prototype with regards to the drug's mechanism of action, therapeutic, adverse, and side effects, interactions and toxicities.
3. Apply drug therapy to the nursing process.
4. Apply drug knowledge to life span considerations and cultural differences.
5. Contemplate holistic, legal, ethical and safety considerations of pharmacology and nursing practice.

### D. LEARNING OUTCOMES (General)

1. Demonstrate knowledge of pharmacotherapeutics related to complex medication administration, safety and efficacy (ELO 2).
2. Identify the roles of the professional nurse as part of the interdisciplinary team in relation to medication administration (ELO 1).
3. Develop a framework of clinical decision making based on the nursing process to guide safe medication administration (ELO 2).
4. Utilize evidence-based resources to access pertinent information about pharmaceuticals and natural products (ELO 2).
5. Discuss the cultural and ethical aspects in pharmacology (ELO 1, 3).
6. Describe the process of pharmaceutical approval and regulation (ELO 2).

## **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

## **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

## **G. SPECIAL INFORMATION**

1. Knowledge of Human Cultures and the Physical and Natural World --Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills--Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.
3. Personal and Social Responsibility and Engagement--Including: Civic knowledge and involvement--campus, local and global; Intercultural knowledge and competence; Ethical reasoning and action; Foundations and skills for lifelong learning.
4. Integrative and Applied Learning--Including: Synthesis and advanced accomplishment across general education, liberal studies, specialized studies and activities in the broader campus community.