

# Minnesota State University Moorhead

## **NURS 282: Pharmacology & the Role of the Professional Nurse**

### **A. COURSE DESCRIPTION**

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

This course requires either of these prerequisite categories

1. NURS 270 - Health Promotion & the Role of the Professional Nurse

Or

2. Both of these

NURS 272 - Transition to the Role of the Professional Nurse

NURS 275 - Nutrition for Nursing

Corequisites: None

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.

**B. COURSE EFFECTIVE DATES:** 01/08/2020 - Present

## **C. OUTLINE OF MAJOR CONTENT AREAS**

1. Attributes and Roles of a Nurse
  - i. Clinical Decision-Making & Judgement
  - ii. Ethics
  - iii. Social Justice
2. Care Competencies
  - i. Collaboration
  - ii. Quality & Safety
  - iii. Teaching & Learning
3. Healthcare Delivery
  - i. Evidence-based Practice
  - ii. Health Care Infrastructure
4. Physiological Homeostasis & Regulation
  - i. Fluid & Electrolyte Balance
  - ii. Acid-Base Balance
  - iii. Thermoregulation
  - iv. Cellular Regulation
  - v. Intracranial Regulation
  - vi. Metabolism
  - vii. Elimination
  - viii. Sexuality & Reproduction
  - ix. Oxygenation
  - x. Perfusion
5. Protection and Movement
  - i. Immunity
  - ii. Inflammation
  - iii. Infection
  - iv. Tissue Integrity
  - v. Sensory Perception
  - vi. Comfort
  - vii. Mobility
  - viii. Rest
6. Psychosocial Homeostasis & Regulation
  - i. Adherence
  - ii. Cognitive Function
7. Behavioral Resilience
  - i. Coping/Stress/Anxiety
8. Determinants of Health
  - i. Genetics
  - ii. Culture
  - iii. Individual Behaviors
  - iv. Social & Economic Factors

**D. LEARNING OUTCOMES (General)**

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

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted