

Course Outline for: NURS 2050 Pharmacology and the Role of the Professional Nurse**A. Course Description**

1. Number of credits: 2
2. Lecture hours per week: 2
3. Prerequisites: NURS 1100 Health Promotion
NURS 1120 Health Promotion Clinical 2
NURS 1150 Parent Child Nursing
NURS 1160 Parent Child Nursing Clinical 3
PHIL 1180 Biomedical Ethics
COMM 1131 Intercultural Communication
4. Corequisites: NURS 2000 Chronic and Palliative Care
NURS 2010 Chronic and Palliative Care Clinical 4
5. 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. Date last reviewed/updated: November 2023**C. Outline of Major Content Areas**

1. Professional Integrity
 - A. Attributes and Roles of a Nurse
 - i. Clinical Judgment
 - B. Care Competencies
 - i. Collaboration
 - ii. Quality & Safety
 - iii. Informatics
 - iv. Evidence Based/Evidence-informed Practice
2. Physiological Integrity
 - A. Physiological Homeostasis Regulation
 - i. Fluid & Electrolyte Balance
 - ii. Cellular Regulation/Genetics
 - iii. Intracranial Regulation
 - iv. Metabolism
 - v. Nutrition
 - vi. Elimination
 - vii. Sexuality & Reproduction
 - viii. Oxygenation
 - ix. Perfusion

- B. Protection and Movement
 - i. Immunity
 - ii. Inflammation
 - iii. Infection
 - iv. Tissue Integrity
 - v. Sensory Perception
 - vi. Comfort
 - vii. Mobility
 - viii. Rest
- 3. Psychosocial Integrity
 - A. Psychosocial Homeostasis
 - i. Motivation/Adherence
 - ii. Cognitive Function
 - iii. Coping/Stress/Adaptation
- 4. Lifespan
 - A. Health Equity
 - i. Determinants of Health
 - ii. Implicit Bias Education

D. Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. Demonstrate knowledge of pharmacotherapeutics related to complex medication administration, safety, and efficacy.
2. Identify the roles and responsibilities 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 information processes and evidence-based resources to access pertinent information about pharmaceuticals and natural products.
5. Demonstrate knowledge of cultural and ethical aspects in pharmacology.

E. Methods for Assessing Student Learning

Each semester, cognitive learning will be evaluated by written examinations and quizzes, including alternative format, written, and reflection assignments. Rubrics will be used. The student must obtain a 78% or greater in order to pass.

F. Special Information

Refer to nursing student handbook for additional details.