COURSE INFORMATION FORM

DISCIPLINE  Practical Nursing
COURSE TITLE  Applied Pharmacology II

CR. HR.  2.5  LECT HR.  2.0  LAB HR.  CLIN/INTERN HR.  1.5  CLOCK HR.  

CATALOG DESCRIPTION
Continuation of basic pharmacology information for safe administration of medications by the practical nurse for the following body systems: central nervous, digestive, endocrine, musculoskeletal, and drugs that affect the general health of the body.

PREREQUISITES
PNUR 100, PNUR 103, PNUR 138, and PNUR 110 with a “C” or higher.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Distinguish the differences between the chemical, brand, and generic names of drugs and the various routes of medication administration.
2. Evaluate desired drug actions, adverse reactions, contraindications and nursing consideration of different medication classes.
3. Analyze the components of the nursing process and identify the relationship with pharmacology and evidenced-based nursing care.
4. Apply the psychomotor and critical thinking skills necessary for safe medication administration and error prevention methods.
5. Evaluate the various technology used in the dispensing and administering of medication.
6. Prioritize the practical nurse’s role in providing client education and support of clients in maintaining a therapeutic medication regimen across the lifespan.
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

Practical Nursing Program Graduate Competency Objectives

. Upon program completion, the Graduate Practical Nurse will be able to:

1. Perform the role of an entry-level practical nurse safely within the scope of the Missouri Nurse Practice Act, the Missouri State Board of Nursing Rules, HIPAA regulations and other governing agencies. Participate actively in the nursing process in patient centered care under the supervision of a Registered Professional Nurse or a person licensed by the state regulatory board to prescribe medications and treatments.

2. Patient Centered Care: Provide patient-centered care by recognizing the patient or legal representative as a partner in providing compassionate and coordinated care with accordance to their preferences, values, cultural, and spiritual needs (QSEN, 2018).

3. Teamwork and Collaboration: function effectively within nursing and inter-professional collaboration and teams. This also means shared decision making, open communication, and accept/make assignments that take into consideration patient safety and organizational policy (QSEN, 2018).

4. Safety: Assist the registered nurse with data collection and assessment, monitor the outcome of care processes and interventions used for improvement methods, and improve the safety and quality of health care systems. This includes acknowledging the value and role that technology has in error prevention and care coordination (QSEN, 2018).

5. Quality Improvement: Demonstrate effective identification and reporting of altered patient responses to therapeutic interventions and reduce patient risk through system effectiveness and individual performance (QSEN, 2018).

6. Informatics: Communicate verbally, in written formats, and electronically with inter-professional members in a timely manner to promote safe, quality patient care. This includes acknowledging the value and role that technology has in error prevention and care coordination.

7. Evidence-based Practice: Demonstrate continued competency in nursing practice through lifelong learning and self-reflection, professional journal reading, or continuing education. Value the need for continuous improvement in clinical practice through integration of best practices, from new knowledge, and current evidence-based resources (QSEN, 2018).

CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Quizzes (1-6)
2. Assignments (1-6)
3. Projects (1-6)
4. Demonstrations (1-6)
5. Clinical Evaluations (1-6)
6. Final Exam (1-6)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Drugs That Affect the Autonomic and Central Nervous System
   A. Autonomic Nervous System
   B. Drugs Used for Sleep
   C. Drugs Used for Parkinson’s Disease
   D. Drugs Used for Seizure Disorders
   E. Drugs Used for Pain Management

II. Drugs That Affect the Digestive System
   A. Drugs Used for Gastroesophageal Reflux
   B. Drugs Used for Nausea and Vomiting
   C. Drugs Used for Constipation and Diarrhea

III. Drugs That Affect the Endocrine System
   A. Drugs Used for Diabetes Mellitus
   B. Drugs Used for Thyroid Disease
   C. Corticosteroids

IV. Drugs That Affect the Musculoskeletal System
   A. Drugs Used for Rheumatoid Arthritis
   B. Drugs Used for Osteoarthritis
   C. Drugs Used for Gout
   D. Drugs Used for Osteoporosis

V. Drugs That Affect the General Health of the Body
   A. Herbal and Dietary Supplements
   B. Contraindications of Herbal and Dietary Supplements Related to Other Medications
   C. Drugs Used for Eye Disorders