

RNUR 2443 : Concepts of Clinical Pharmacology

3 credit hours (3 lecture/0 lab)

Utilizing a nursing process approach, the student will identify fundamental pharmacological principles and develop a theoretical base for the skills involved in administration of medications. Fundamentals of pharmacology, including history of drug administration, legal controls, how medications work in the human body, and principles of drug interactions will be identified. Classifications of drugs will be studied to give the student knowledge of actions, interactions, adverse effects, contraindications, dosages, routes, and nursing implications. The steps of the nursing process are utilized in safe medication administration.

Prerequisite(s)

RNUR 1152

Prerequisite(s) or Corequisite(s)

RNUR 1128

Topical Outline

1. Study Skills
2. Drugs Affecting the Central Nervous System
3. Drugs Affecting the Autonomic Nervous System
4. Drugs Affecting the Cardiovascular and Renal System
5. Drugs Affecting the Endocrine System
6. Drugs Affecting the Respiratory System
7. Anti-infective and Anti-inflammatory Drugs
8. Immune and Biological Modifiers Drugs
9. Drugs Affecting the Gastrointestinal System

Course Outcomes

At the end of this course, students will be able to:

1. Recognize the role of the professional nurse as contained in the Nurse Practice Act in medication administration.
2. Differentiate appropriate assessments needed for safe medication administration.
3. Apply appropriate nursing interventions for safe medication administration.
4. Demonstrate knowledge of appropriate client teaching for pharmacological management in client care.
5. Recognize physiological effects of medications utilizing appropriate resources.