

**KS Council of PN Educators - PN  
PN Program**

**KSPN Fundamentals of Pharmacology and Safe Medication Administration Course Syllabus**

Course Information:

Course Number and Title: KSPN 003 - KSPN Fundamentals of Pharmacology and Safe Medication Administration

Total Credit/Contact Hours: 2.00

Clinical Credit/Contact Hours: 0.50

Theory Credit/Contact Hours: 1.50

Course Description:

This course provides an introduction to the principles of pharmacology. Emphasis is placed on nursing care related to the safe calculation and administration of medications to clients across the life span.

Course Objectives:

1. Discuss the principles of pharmacology, pharmacokinetics, and pharmacodynamics in relation to medication therapy.
2. Discuss nursing implications and concepts of safety when performing medication administration.
3. Demonstrate proper techniques that support safe medication administration.
4. Describe the legal and ethical implications/aspects of medication administration.

Principles of Pharmacology

Unit Objectives:

1. Describe the role of the United States Food and Drug Administration in determining the safety of drugs for use by the population.
2. Define common terminology, abbreviations and symbols used in describing drug properties.
3. Describe common terminology used for medication administration.
4. Differentiate between the terms pharmacology, pharmacokinetics, and pharmacodynamics.
5. Identify measures that support safe medication administration.
6. Define the following terms: drug actions, side effects, adverse effects, nursing implications, contraindications, and interactions.
7. Describe the various resources that support evidence-based drug information.
8. Discuss legal/ethical issues related to medication administration.

Safe Medication Administration

Unit Objectives:

1. Discuss factors that can decrease the risk of making a medication error.
2. Identify the rights of medication administration.
3. Determine the various routes by which medication can be administered.
4. Perform basic metric conversions and drug calculations.
5. Discuss the role of the nurse related to educating clients about their medications.
6. Demonstrate proper techniques that support safe medication administration (oral, ophthalmic, optic, nasal, rectal, topical, inhaled, and vaginal medications)

