

Covenant School of Nursing
Instructional Module: 1
Topic: Pharmacology for Nursing Lecture 2

Learning Goals/Outcomes

Upon completion of this lesson, you will be able to:

- Describe the four basic pharmacokinetic processes and its relationship to nursing and clinical practice
- Explain the physiologic and biochemical effects of medications on the body and how this process occurs
- Discuss the consequences of drug-drug interactions, the basic mechanisms of drug-drug interactions, and the critical steps in minimizing adverse drug-drug interactions.
- Identify the mechanisms and consequences of drug-drug and drug-food interactions

Pre-Class Preparation

Required:

- Textbook reading: Lehne, R.A. (2021). *Pharmacology for nursing care*. (11th ed.)- **Ch. 4-6**
- View PowerPoint posted on LMS

Complete

- The online activities listed below in Learning Activities *prior to class*.
An average score of 80% on the assessments included in this activity is required. Failure to complete the assignments may result in an absence – review your syllabus.

Additional Resources:

- <https://www.fda.gov/drugs>

Learning Activities

Classroom Activities:

- Lecture with PowerPoint
- Review with discussion

Online/Out of Class Activities:

- Go to My Evolve
 - Select Pharmacology Online
 - Under Course Content, select Basic Principles of Pharmacology
 - Complete the following assignments:
 - *Basic Principles of Pharmacology*
 - Self-Study Modules: Pharmacokinetics
 - o 1: Absorption
 - o 2: Time Course of Drug Responses
 - Self-Study Modules: Drug Interactions 1
 - o Drug-Drug Interactions
 - Self-Study Modules: Drug Interactions 2
 - o Drug-Food and Drug- Nutrient Interactions
 - Self-Study Modules: Pharmacotherapeutics
 - Medication Misadventures

Evaluation Methods

- Quiz #2 (Ch. 4-6)
- End of Course Comprehensive Pharmacology Quiz

Texas DECs	QSEN Competencies
Knowledge: IA:1-4; 1B:1 IIA:1-4; IIC: 3,4 IIF:1-3; IIIA1-6; IIIB: 1-6; IVA: 4,5; IVB: 1,2 Clinical Judgments and Behaviors: IA:1-3; 1B:2,3; IIB: 1-4; IIC: 1,3-4,7; IIF: 1-6; IIIA: 4,5; IIIB: 1-9; IV 1-3: IVB: 1,3	Patient Centered Care; Teamwork & Collaboration; EBP; Safety
IM Student Learning Outcomes	NCLEX Test Plan
2, 3	Management of Care; Health Promotion & Maintenance; Safety; Pharmacological and Parenteral Therapies
Concepts	Faculty
Health Promotion; EBP; Patient Education; Patient Centered Care; Safety; Quality Improvement	J. Wolfe, MSN, RN, CNE
Date originated: 6-15	Revision Dates: 4-16; 6-16; 1-17; 2-18;1-19; 7-19; 02-2020; 05-2020; 12-2020; 2-2024

Instructional Module (1) Learning Guide

Topic: Introduction to Pharmacology for Nurses

CSON Learning Guide (adopted 5-2015 by Faculty vote) - REV 9-2016

Texas DECs	QSEN Competencies
Knowledge: IA:1-4; 1B:1 IIA:1-4; IIC: 3,4 IIF:1-3; IIIA1-6; IIIB: 1-6; IVA: 4,5; IVB: 1,2 Clinical Judgments and Behaviors: IA:1-3; 1B:2,3; IIB: 1-4; IIC: 1,3-4,7; IIF: 1-6; IIIA: 4,5; IIIB: 1-9; IV 1-3: IVB: 1,3	Patient Centered Care; Teamwork & Collaboration; EBP; Safety
IM Student Learning Outcomes	NCLEX Test Plan
2, 3	Management of Care; Health Promotion & Maintenance; Safety; Pharmacological and Parenteral Therapies
Concepts	Faculty
Health Promotion; EBP; Patient Education; Patient Centered Care; Safety; Quality Improvement	A. Harrison, MSN, RN PMH-BC
Date originated: 6-15	Revision Dates: 4-16; 6-16; 1-17; 2-18;1-19; 05-2020

Instructional Guide *Module (1) Learning Topic: Introduction to Pharmacology for Nurses*

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