



Course Outline

2026-2027 Catalog

NSG 15 - Accelerated Track Pharmacology II

Catalog Description

Transfer Status: CSU

Prerequisite: Admission to Accelerated Track Registered Nursing Program

Unit(s): 1.00

Lecture: 17.00 Contact hours/34.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

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Course Description: This course is a study of the fundamental concepts of pharmacology, with a focus on pharmacokinetics, pharmacodynamics, and related nursing implications for the major drug classes. Nursing process and cultural implications will be discussed for the basic drug classifications. Topics Include Central Nervous System Agents, Anti-Epileptic & Anti-Parkinson Drugs, Drugs Affecting the Autonomic Nervous System, Drugs Affecting the Cardiovascular System, Drugs Affecting the Endocrine System, Men's and Women's Health Drugs. Graded only.

Objectives

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

1. Identify the standards of professional practice, including legal, ethical and regulatory framework for the administration of medications.
2. Demonstrate therapeutic communication.
3. Perform assessments related to medication administration.
4. Apply the steps of nursing process in delivery of medications.
5. Identify the client's values, customs, and cultural habits that affect medication compliance.
6. Identify patient education strategies related to medication therapy.
7. Explore cost efficient strategies in the delivery of nursing care related to medication therapy.

Course Content

Topic Titles / Suggested Time Topic	
<u>Lecture</u>	
<u>Topics</u>	<u>Lec Hrs</u>
Central Nervous System Agents	3.00
Anti-Epileptic & Anti-Parkinson Drugs	3.00
Drugs Affecting the Uatonomic Nervous System	2.00
Drugs Affecting the Cardiovascular System	4.00
Drugs Affecting the Endocrine System	3.00
Men's and Women's Health Drugs	2.00
Total Hours:	17.00

Methods of Instruction

- A. Discussion
- B. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- C. Lecture
- D. Multimedia Presentations

Methods of Evaluation

- A. Exams/Tests
- B. Homework
- C. Written Assignments
- D. Group Participation

Examples of Assignments

Reading Assignments

1. Read the chapter in your textbook about pain management, opioid drugs, and drug tolerance. Answer the questions in back of the chapter and be prepared to discuss these answers.
2. Read the chapter in your textbook about adrenergic, adrenergic blocking, cholinergic and cholinergic blocking drugs. Be prepared to discuss.

Writing Assignments

1. Read the chapter in your textbook on beta-blockers and then create a worksheet about beta-blockers including: mechanism of action, indications, contraindications, adverse effects, and managing an overdose and be prepared to discuss the worksheet.
2. Watch an assigned video on the Endocrine System and define the function of the anterior and posterior pituitary gland and be prepared to discuss the functions. Write a 1-2 page paper.

Out-of-Class Assignments

1. Read the chapter in the Pharmacology textbook about respiratory medications. Complete the provided 2 pages of charts on anti-histamine, decongestants, and antitussive medications and be prepared to discuss the differences between them.
2. Watch the assigned video on Endocrine Medications and draw your version of the diagram that represents the endocrine system and endocrine medications in the video. Be prepared to discuss the medications covered in the video.

Recommended Materials of Instruction

Lilley, L.L. Harrington, Collins, S. R., Snyder, J.S. (2022). Pharmacology and the Nursing Process. *Elsevier*, 10th. 978-0-323-82797-3.

Minimum Qualifications

Nursing (Masters Required)

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