

**University of Arkansas – Fort Smith
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General Syllabus

NURS 32003 Nursing Pharmacology

Credit Hours: 3

Lecture Hours: 3

Laboratory or other types of Hours: 0

Prerequisite(s): HEAL 31003 Pathophysiology

Prerequisite(s) or corequisite(s): NURS 22042 Nursing Math; NURS 31645 Health Assessment;
NURS 32245 Nursing Fundamentals

Effective Catalog: 2023-2024

I. Course Information

A. Catalog Description:

This course forms a knowledge base for pharmacotherapeutics, pharmacokinetics, and pharmacodynamics related to client care and education. Students will understand major drug classifications, purpose, and function by studying prototypes; combine pharmacotherapy with pathophysiology to understand diseases, prevention measures, lifestyle modification factors, treatment options, and health promotion related to pharmacological agents and evidence-based nursing for client teaching, medication administration, and monitoring.

B. Additional Course Description:

The course will be presented utilizing multiple teaching/learning strategies.

II. Student Learning Outcomes

A. Subject Matter:

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

1. Use critical thinking to administer and teach clients regarding pharmacotherapy.
2. Apply research and evidence-based practice guidelines for medication administration.
3. Utilize effective communication as an essential nursing skill to facilitate safe multidisciplinary practice.
4. Utilize the concepts of leadership and management to organize, establish, coordinate, and manage health care issues of the adult population.
5. Apply health promotion and pharmacotherapy when educating clients.
6. Analyze the professional nurse's role and accountability in pharmacotherapy.

B. University Learning Outcomes:

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills

Students will identify problems/issues, develop solutions/analysis, and to analyze pharmacological problems and justify their solutions.

Analytical Skills

Quantitative Reasoning

Students will use quantitative reasoning to assign and use numbers, read, and analyze data, create models, draw inferences, and support conclusions based on sound mathematical reasoning.

Communication Skills (written and oral)

Students will communicate proficiently. Students will effectively interpret pharmacological terminology with regards to ordered medications.

Ethical Decision Making

Students will model ethical decision-making processes in nursing and health care related settings.

Global and Cultural Perspectives

Students will reflect upon cultural differences and their implications for interacting with people from cultures other than their own. Students will verbalize how a client's culture may impact pharmacological interventions.

III. Major Course Topics

- A. Core Concepts in Pharmacology
- B. Pharmacology and the Nurse-Patient Relationship
- C. The Nervous System
- D. The Cardiovascular and Urinary System
- E. The Immune System
- F. The Respiratory System
- G. The Gastrointestinal System
- H. The Endocrine System