

University of Arkansas - Fort Smith
5210 Grand Avenue
P. O. Box 3649
Fort Smith, AR 72913-3649
479-788-7000

General Syllabus

PHAR 3203 Pharmacology

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: HLTH 3103 Pathophysiology

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

Reviews general principles, theories and facts about drugs, their administration, classifications, and mechanisms of action, pharmacokinetics, drug interactions, and the adverse effect of drugs used in the prevention and treatment of illnesses.

B. Additional Information

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

II. Student Learning Outcomes

A. Subject Matter

Upon completion of this course, the student will:

1. Identify agents that interfere with microbial growth.
2. Discuss agents used to control pain and inflammation.
3. Describe agents used to treat respiratory disorders.
4. Distinguish between agents used to treat cardiovascular disorders.
5. Explain agents used to treat gastrointestinal disorders.
6. Identify agents affecting the nervous system.
7. Differentiate between agents used to correct endocrine imbalance.
8. Describe agents affecting the reproductive system.
9. Summarize agents affecting immunity.
10. Discuss agents used to treat eye, ear, and skin disorders.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will use critical thinking skills to identify problems/issues and develop solutions/analysis. Students will use critical thinking in analyzing pharmacological problems and justifying their solutions.

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. Students will apply standards from the University of Arkansas – Fort Smith Standards of Conduct and Academic Honesty policies to their professional role.

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