

University of Arkansas – Fort Smith
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General Syllabus

HLTH 1025 Pharmacy Technology II

Credit Hours: 5

Lecture Hours: 5

Laboratory Hours: 0

Prerequisite: HLTH 1024 Pharmacy Technology I and CHEM 1303/1301 Chemistry Principles/Laboratory.

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

Designed to provide an overview of drug pharmacology including major drug classes, mechanisms of action, approved indications, and common drug interactions. At the conclusion of the two-semester course sequence, students will have sufficient knowledge and skills necessary to sit for the pharmacy technician certification exam.

II. Student Learning Outcomes

A. Subject Matter

Upon completion of this course, the student will:

1. Demonstrate an understanding of the duties and responsibilities of a pharmacy technician.
2. Demonstrate knowledge of routes of administration, dosage forms, and drug dosages.
3. Perform calculations necessary for medication doses including IV medications, pediatric doses, and weight-based doses.
4. Display knowledge of procedures and techniques relating to aseptic technique, compounding, and parenteral dosage preparation.
5. Express an understanding of the procedures and operations relating to the manufacturing, packaging, and labeling of drugs.

B. University Learning Outcomes

Pharmacy Technology II enhances students abilities in the following areas:

Global and Cultural Perspectives

Students will develop an awareness of their discipline in a global environment.

Analytical Skills

Critical Thinking Skills: Students will think critically in analyzing problems and justifying their solutions.

Communication Skills (written and oral)

Students will communicate, both in written and oral form, using therapeutic communication skills.

Ethical Decision Making

Students will understand the University of Arkansas – Fort Smith Standards of Conduct and Academic Honesty policies and apply these standards to their professional role. **Students will understand the duties and ethics of a pharmacy technician.**

III. Major Course Topics

- A. Pharmacy calculations
- B. Drug classifications
- C. Therapeutic agents for the following body systems:
 - Nervous
 - Endocrine
 - Musculoskeletal
 - Cardiovascular
 - Respiratory
 - Gastrointestinal
 - Renal
 - Reproductive
 - Immune
 - Dermatologic
 - Hematologic