

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

## **General Syllabus**

### **HLTH 1024 Pharmacy Technology I**

Credit Hours: 4

Lecture Hours: 3

Lab Hours: 2

Prerequisites: HLTH 1473 Medical Terminology and BIOL 1433/1401 Basic Anatomy and Physiology/Laboratory

Effective Catalog: 2018-2019

#### **I. Course Information**

##### **A. Catalog Description**

A basic introduction into all aspects of pharmacy practice. To include: medication dosage forms, routes of administration, abbreviations, pharmacy calculations, pharmacy law, interpreting medication orders, drug information resources, compounding, medication errors, and institutional, ambulatory and home care pharmacy practice.

#### **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 I enhances student 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. History of Pharmacy and Medicine
- B. Pharmacy Law
- C. Pharmacy Ethics
- D. Drug approval process
- E. Time/Temperature conversions
- F. Interpreting medication labels
- G. Solid Oral doses
- H. Liquid Oral doses
- I. Intravenous doses
- J. OTC medications
- K. Insurance and billing
- L. Alternative Medicines
- M. Compounding medications
- N. Aseptic technique