

**University of Arkansas - Fort Smith**  
**5210 Grand Avenue**  
**P. O. Box 3649**  
**Fort Smith, AR 72913-3649**  
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### **General Syllabus**

#### **PRFS 4733 Transportation and Distribution**

Credit Hours: 3

Lecture Hours: 3

Laboratory Hours: 0

Prerequisite: Junior standing or consent of department head

Effective: 2021-2022

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

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

Provides an overview of using transportation and distribution to successfully integrate supply, operations, strategy, distribution, and customer service. Students will learn how to analyze and improve necessary logistics processes to effectively deliver product and services to customers.

#### **II. Student Learning Outcomes**

##### **A. Subject Matter**

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

1. Select transportation modes based on business and customer requirements.
2. Identify warehouse needs and define design requirements for new facilities.
3. Evaluate existing material and information handling processes and suggest potential improvements.
4. Gather inventory data, calculate space requirements, and define process flows.
5. Select packaging and shipping plans based on environment, product characteristics, and transportation modes.
6. Evaluate communication touch points for different areas in the value stream to minimize problems and increase speed to market.

##### **B. University Learning Outcomes**

This course enhances student abilities in the following areas:

**Analytical Skills****Quantitative Reasoning**

The student will apply mathematics skills to solve problems related to course concepts.

**Global & Cultural Perspectives**

Through group projects, the student will reflect upon cultural differences and their implications on work to be completed with other students from diverse backgrounds.

**III. Major Course Topics**

- A. Transportation Modes Most Commonly Used
- B. Warehousing Storage and Product Transfer
- C. Material Handling Techniques
- D. Communication Techniques For Shipping and Transport Events
- E. Transportation and Storage Security Challenges
- F. Cost Analysis of Different Transportation and Distribution Methods
- G. Information Technology Used For Tracking and Coordination
- H. Inventory Carrying Cost and Risk