

**University of Arkansas - Fort Smith  
5210 Grand Avenue  
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Fort Smith, AR 72913-3649  
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**General Syllabus**

**MGMT 3583 Transportation and Distribution Management**

Credit Hours: 3

Lecture Hours: 3

Hours: 0

Prerequisite: MGMT 3513 Business Analytics and admission to the business program, or consent of instructor

Effective Catalog: 2023-2024

**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