

Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code

TRLG

Course Number

2013

Course Title

Transportation Management

Catalog Description

(F, On Demand) This course is designed to provide the student with an exposure to the managerial aspects of transportation management as a function of the firm's logistical strategy. It includes an introduction to the management of the various transportation modes: rail, motor, air, water, and pipelines. This course provides the student with a basic understanding of the issues and work performed by traffic managers and the management of modern transportation firms. Prerequisite: TRLG 1013 with a grade of "C" or better. Also, TRLG 2033 is a co-requisite. It must be taken in the same semester as TRLG 2013.

Prerequisites

TRLG 1013, with a "C" or higher.

Co-Req: TRLG 2033-must be taken in the same semester as TRLG 2013.

Credit Hours

3 credit hours

Contact hours

45 lecture/lab contact hours

Load hours

3 load hours

Semesters Offered

Fall and On Demand

ACTS Equivalent

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Describe the modes of transportation and modal interrelationships and competition in the context of the transportation market: commodities, goods, products and customers.
- List the flow of goods from the end of the production line to the customer.
- Evaluate how the operating and service characteristics of each mode affect cost, performance, and the products moved.
- Prepare a cost/benefit analysis of various modes of transportation to determine appropriate mode.
- Apply the knowledge of transportation to determine what method best suits various situations.
- Relate inbound logistics to just-in-time inventory philosophy.
- Identify the economic principles that provide a foundation for transportation costing and pricing;
- Identify shipper and carrier strategies employed to reduce costs and improve performance.

General Education Outcomes Supported

Standard Practices

None

Topics list

- Government role in transportation
- Highway carriers
- Railroads
- Pipelines
- Air transportation
- Outbound logistics
- Inbound logistics
- Traffic management
- Managing carriers
- Emerging carriers
- Managing transportation in the public sector
- International Transportation

Learning activities

- Lectures, discussion boards and videos.
- This course requires additional work that may need to be completed out of class or in a virtual or on-campus lab.

Assessments

- Discussions
- Assignments
- Exams
- Quizzes

Grading guidelines

- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = 59 or below