

## **COURSE INFORMATION**

COURSE PREFIX/NO: LOG 125  
COURSE TITLE: Transportation Logistics  
LEC HRS/WEEK: 3.0  
LAB HRS/WEEK: 0.0  
CREDIT HRS/SEMESTER: 3.0

[Distance Learning Attendance/VA Statement](#)  
[Textbook Information](#)

## **COURSE DESCRIPTION:**

This course is the study of the role that various modes of transportation play in products & services getting to the end user. Students will be able to identify transportation modes, understand governing regulations, describe terminology and principles, & understand environmental and economic impact.

## **COURSE COMPETENCIES**

Upon successful completion of this course, the student should be competent to perform the following tasks:

### **Module 1 – The Role and Importance of Transportation**

- Define “transportation” in a business environment and how it fits into the supply chain process
- Discuss the importance of transportation as it relates to the economy and the environment
- Describe the demand aspects of freight transportation and passenger transportation
- Show the impact that government regulation has on domestic transportation
- Describe the national transportation policy
- Discuss the transportation promotion activities conducted in the United States
- Explain transportation safety

### **Module 2 – Transportation Providers: Motor, Rail and Air**

- Discuss an overview of motor carrier transportation
- Recognize the different type of services offered by motor carriers
- Review the economic aspects faced by motor carriers, costing and pricing
- Discuss an overview of railroad transportation
- Describe the various operating and service characteristics of the railroads
- Determine the cost of rail service, how it is priced
- Describe current issues facing the rail industry today
- Explain air transportation and the various types of air carriers
- Discuss the features of air service
- Explain economic and safety issues facing the air service industry

### **Module 3 – Other Transportation Providers and Global Transportation**

- Discuss an overview of water transportation on domestic waterways
- Describe service characteristics of water carriers
- Discuss an overview of pipelines
- Review the unique advantages, disadvantages, and service features of pipelines
- Discuss intermodal transportation
- Define and understand what “special carriers” are and the service they provide

- Discuss international transportation within North America
- Describe the various global transportation service providers, their costs and issues

#### **Module 4 – Managing Transportation**

- Identify the operating conditions faced by carriers today
- Recognize carrier operating and marketing strategies
- Discuss the importance of terminals in carrier operations
- Review the basic sources of information and documentation in transportation management
- Describe how information technology is changing transportation management
- Explain transportation management from the shipper's perspective
- Describe the various strategies facing a shipper's transportation manager
- Discuss the process of buying a transportation provider's service
- Review how a shipper manages the global transportation process

#### **MINIMAL STANDARDS AND PERFORMANCE OBJECTIVES**

Through lectures and discussions, the student will cover the textbook materials of the assigned chapters.

#### **COURSE REQUIREMENTS**

##### **Attendance**

The student is expected to follow the York Technical College attendance policy allowing a maximum of 20% absences during the semester. Online students will participate in discussions and complete all assigned activities in a timely manner as evidence of virtual class attendance.

##### **Other Requirements**

Each student is responsible for reading and studying assigned chapters, completing all assignments, and taking all assessments. Any student who must withdraw from the course must notify the instructor. Withdrawal by mid-term is with a "W."

##### **Academic Honesty**

The policies stated in the York Technical College Handbook will be enforced. Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action. All other regulations as specified in the handbook will be followed.

#### **EVALUATION STRATEGIES AND GRADING**

Grades will be based on the average of the four module assessments plus other written assignments. Each of the four module assessments will count toward 20% of the final grade and the average of the written assignments will count toward the other 20% of the final grade.

The following scale will be the standard:

A	90 to 100
B	80 to 89
C	70 to 79
D	60 to 69
F	Below 60

**Module Assessments**

There will be a written assessment for each module that will examine the student's knowledge of the material in the module. There will also be written assignments during the course of the semester about material within the modules.

**ENTRY LEVEL SKILLS**

None

**PREREQUISITES**

ENG 100 and RDG 100 or the equivalent

**CO-REQUISITES**

None