

COURSE INFORMATION

COURSE PREFIX/NO: LOG 110
COURSE TITLE: Introduction to 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 a basic overview of logistics management. Logistics involves the flow of goods and services involving such aspects as warehousing, materials handling, inventory control, and transportation from the raw material to the end user.

COURSE COMPETENCIES

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

Module 1 – An Overview of Logistics

- Define what Logistics is and its impact on the supply chain process
- Discuss the importance of Logistics within the firm as it relates to finance, marketing and production
- Describe the Supply-Chain Concept, management and integration
- Show the role that information technology plays in the Logistics process using office automation, decision support systems and electronic commerce
- Describe the order management process
- Discuss the importance of Logistics in the customer service process
- Explain product characteristics as it relates to packaging and handling

Module 2 – Domestic Transportation and Warehousing

- Explain the domestic transportation system and the various modes of transportation
- Recognize how shippers determine which modes of transportation to use
- Review the history of transportation regulation and deregulation
- Determine how transportation is priced
- Describe the transportation management process to include carrier selection, documentation, expediting, claims handling and demurrage
- Explain the requirements of transporting hazardous materials
- Discuss warehousing management and the different types of warehouses
- Explain warehousing operations

Module 3 – Procurement and Supply Management

- Explain the purchasing process to include supplier selection and development
- Review the documentation required for purchasing: requisitions, purchase orders, Requests for Proposals, Requests for Quotations, and Standards and Procedures
- Discuss the expediting process
- Discuss inventory management, reorder points, carrying costs, consignment
- Define and understand the meanings of JIT, VMI, EOQ, SKU, OEM
- Discuss the effect of quality programs on the procurement process

Module 4 – International Logistics

- Identify the requirements for international marketing
- Recognize the different documents required for international commerce
- Discuss the various Incoterms and explain their meaning
- Describe the advantages of using freight forwarders and other 3PLs in exporting
- Explain customs and other government-imposed restrictions on international shipping
- Discuss domestic and foreign port operations
- Describe the necessary steps to package, ship and deliver cargo via ocean-going vessels
- Discuss currency exchange and its impact on international sales

Module 5 – Logistics Systems

- Describe the various methods of analyzing and reporting on the logistics process
- Explain cost analysis as it relates to marketing, procurement and distribution
- List the advantages and disadvantages of a centralized versus decentralized logistics function within the business organization
- Explain the difference between an in-house and outsourced logistics function
- Describe the importance of statistical reporting on logistics activities
- Explain how sourcing teams provide a cost advantage to the organization
- Review various software products available to manage the logistics 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 log in and 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 five module assessments plus other written assignments. The average of the five module assessments will count toward 90% of the final grade and the average of the written assignments will count toward the other 10% of the final grade.

Final Grade:

Module 1 Assessment		% Module Grade	Course Grade
Test(s) – minimum of 1 Discussions and assignments Module Grade	100 <u>100</u>	90% <u>10%</u> 100%	20.0%
Module 2 Assessment			
Test(s) – minimum of 1 Discussions and assignments Module Grade	100 <u>100</u>	90% <u>10%</u> 100%	20.0%
Module 3 Assessment			
Test(s) – minimum of 1 Discussions and assignments Module Grade	100 <u>100</u>	90% <u>10%</u> 100%	20.0%
Module 4 Assessment			
Test(s) – minimum of 1 Discussions and assignments Module Grade	100 <u>100</u>	90% <u>10%</u> 100%	20.0%
Module 5 Assessment			
Test(s) – minimum of 1 Discussions and assignments Module Grade	100 <u>100</u>	90% <u>10%</u> 100%	20.0%
Final Grade			100%

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

ENTRY LEVEL SKILLS – None

PREREQUISITES – ENG 100 and RDG 100 or the equivalent

CO-REQUISITES – None