

TDML 202

Principles of Logistics

3 Credits

Community College of Baltimore County
Common Course Outline

Description

TDML 202 – Principles of Logistics: is a course in which students examine the efficient and effective movement and storage of goods and related services to support customer centric initiatives. This is accomplished through covering the process of planning, implementing, and controlling related logistics procedures from the point of origin to the point of consumption. Particular attention will be paid to the various physical and political implications on procurement, inventory control, philosophies behind transportation movements, and quality control. Students also explore the multiple external pressures and internal constraints that plague daily logistics companies' operations. Topics include planning, utilizing resources efficiently, managing transportation costs, and ensuring superior delivery performance.

Pre-requisites: TDML 101 or permission of the program coordinator

Overall Course Objectives

Upon completion of this course, students will be able to:

1. describe the various factors that comprise logistics and global trade;
2. define strategic significance of logistics value;
3. identify key success factors of logistics, supply chain management, and transportation;
4. explain the importance of diversity and sustainability to logistics;
5. analyze the effects of logistics integration on system performance and well-being;
6. assess functionality of inbound and outbound logistics and its influence on global supply chains;
7. describe cargo transfer components and procedures;
8. explain the impact of public-private partnerships on logistics;
9. describe changes in organizational effectiveness of logistics solutions; and
10. evaluate outcomes and implications of changes in the global marketplace.

Major Topics

- I. Overview of Logistics Operations
 - a. Business Logistics
 - b. Military Logistics
- II. Logistics Planning
 - a. Problem Solving
 - b. Critical Thinking
 - c. Public Private Partnerships (PPP)
- III. Logistics Implementation
 - a. Distribution Networks
 - b. Warehouse Management

The Common Course Outline (CCO) determines the essential nature of each course.

For more information, see your professor's syllabus.

- IV. Process Control and Logistics Procedures
- V. Efficient and Effective Transport and Storage of Goods
 - a. Inbound Logistics
 - b. Outbound Logistics
 - c. Reverse Logistics
 - d. Outsourcing and Utilization of Third-Party Logistics (3PL) Providers
- VI. Procurement
- VII. Inventory Control
- VIII. Reporting and Metrics Analysis
 - a. Cost Management and Containment

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- three topic related exercises
- three tests
- one research-based paper

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Date Revised: 2/7/2023