

TDML 155

Transportation, Distribution, and Logistics Technology

3 Credits

Community College of Baltimore County
Common Course Outline

Description

TDML 155 – Transportation, Distribution, and Logistics Technology: is a course in which students explore the use of computer concepts and applications for the transportation and distribution of goods in the maritime industry. Students gain a broad understanding of the industry using computer technology.

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

Overall Course Objectives

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

1. examine traditional computing concepts and applied distribution technology;
2. evaluate various networking structures to improve business strategies;
3. describe global electronic commerce;
4. analyze emerging technologies and operating systems;
5. apply computer hardware and software applications in real-world freight management scenarios;
6. analyze costs and benefits of implementing technology-based freight management solutions;
7. describe effective computer technological usage; and
8. explain the importance of using technology to create competitive advantage.

Major Topics

- I. Overview of Technology in Transportation and Logistics
 - a. Computing Based Hardware and Software
 - b. Freight Management and Operations Technology
- II. Hardware and Network Structures
 - a. Network Systems
 - b. Integrated Hardware Solutions
- III. Software and Business Applications
 - a. Operating Systems
 - b. Microsoft Basics
 - c. Business use of Internet / Extranet
 - d. Enterprise Resource Planning (ERP) Systems
- IV. Global Electronic Commerce Applications
 - a. Tracking
 - b. Weather
 - c. Electronic Data Interchange (EDI) and Radio Frequency Identification (RFID)
- V. Technology and Operating Systems Innovations

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

For more information, see your professor's syllabus.

- a. Drone Technology
- VI. Real World Computer and Technology Scenarios
- VII. Effective Technology Usage
 - a. Understanding the Basis and Need for Technology
 - b. Social Media / Personal Branding
 - c. Communicating through Technology
 - d. Cybersecurity and Data Security
 - e. Industry Trends
- VIII. Advanced and Emerging Technologies

Course Requirements

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

- three tests
- two individual case analyses
- one team case analysis

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.

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