

Common Course Outline

TDML 202

Principles of Maritime Logistics

3 Credits

The Community College of Baltimore County

Description

TDML 202 – 3 credits – Principles of Maritime Logistics explores the multiple external pressures and internal constraints that plague daily maritime logistics companies' operations. Topics include planning, utilizing resources efficiently, managing transportation costs, and ensuring superior delivery performance.

3 Credits:

Prerequisite: TDML 101 or consent of department chair

Overall Course Objectives

Upon completion of this course students will be able to:

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

Major Topics

- I. International Maritime Trade and Logistics
 - A. Practice of international shipping
 - B. Logistics and supply chain management
 - C. Logistics and transport
 - D. Global trade and the maritime industry
- II. Defining Maritime Logistics and Its Value
 - A. Maritime logistics in concept
 - B. Maritime logistics value defined
 - C. Strategic significance of maritime logistics value
- III. Supply Chain Integration of Shipping Companies

- A. Supply chain integration in the maritime shipping industry
- B. Impact of supply chain integration on shipping firm
- IV. Human Elements in Maritime Logistics
 - A. Human element in science and theory
 - B. Effects on system performance and well-being
- V. Inland Logistics and Global Supply Chains
 - A. Inland transport system design
 - B. Inland logistics: Strategy and Management
 - C. Inland logistics and its influence on global supply chains
- VI. Logistics Strategy in Container Shipping
 - A. Container line logistics activities
 - B. Liner operator case studies
 - C. Strategic groups
- VII. Cargo and Tanker Shipping Logistics
 - A. Transfer components
 - B. Contractual relationships
 - C. Cargo transfer procedures and losses
- VIII. Public–Private Partnerships and Port (PPP) Logistics Performance
 - A. The overall development in port PPP
 - B. Institutional factors and PPPs
 - C. Supply of stevedoring services
- IX. Port and Logistics Chains: Changes in Organizational Effectiveness
 - A. Ports and logistics chains
 - B. Port authorities in logistics chains
 - C. Changes in effectiveness of port organizations
- X. Implications of Changes in the Global Marketplace
 - A. Review of relevant port literature
 - B. Looking ahead. topics of investigation and their importance

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following.

Grading/exams

- A minimum of three exams

Written Assignments: Students are required to utilize appropriate academic resources. The individual faculty member will determine specific writing assignments but must include:

- A minimum of two topic related exercises
- A minimum of two written case studies
- Project assignment

Other Course Information

This is a core course requirement for a Transportation, Distribution, and Maritime Logistics AAS degree program and certificate.

Date Revised: 10/7/2015