

Common Course Outline
TDML 150
Introduction to Supply Chain Management
3 Credits

Community College of Baltimore County

Description

TDML150 – Introduction to Supply Chain Management explores purchasing, operations, logistics, and integration of these business functions with a focus on the maritime industry. Supply Chain Management and the related concepts of logistics are cornerstones of business strategies to create market share and shareholder value.

3 Credits

Prerequisites: ESOL 052 and ESOL 054 or ACLT 052 or ACLT 053

Overall Course Objectives

Upon completion of this course students will be able to:

1. summarize the utility of supply chain management in analysis of maritime business problems and the development of solutions;
2. describe the objectives and elements of maritime supply chain management;
3. explain how ethical and sustainable sourcing strategies are developed and implemented;
4. assess the accuracy of demand forecasting in a supply chain;
5. describe the maritime hierarchical operations planning process in terms of materials and capacity planning;
6. distinguish dependent from independent demand inventories;
7. describe and compare the major elements of Lean and Six Sigma;
8. explain the interrelatedness of maritime transportation, warehousing and material handling;
9. describe how information is used to create customer satisfaction and greater profit for the maritime firm;
10. explain the impact of global location decisions on a maritime supply chain; and
11. evaluate the merits of financial and nonfinancial performance measures.

Major Topics

- I. Maritime Supply Chain Management
- II. Goals of Maritime Supply Chain Management
- III. Ethical and Sustainable Sourcing in the Maritime Industry

- IV. Supplier and Customer Relationships
- V. Organization Function of Maritime Planning
- VI. Maritime Inventory Management
- VII. Elements of Lean and Six Sigma Production Management
- VIII. Integration of Transport Warehouse and Material Handling
- IX. Diversity and Customer Relationship Management
- X. Global Maritime Location Strategies
- XI. Performance Measurement along the Maritime Supply Chain

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 individual written case analyses
- A minimum of one team case analysis and PowerPoint presentation

Other Course Information

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