

TDML 150

Introduction to Supply Chain Management

3 Credits

Community College of Baltimore County
Common Course Outline

Description

TDML 150 – Introduction to Supply Chain Management: is a course in which students explore procurement, operations, and logistics, and the integration of these critical business functions. Supply Chain Management and the related concepts of logistics are cornerstones of business strategies to create market share and shareholder value.

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

Overall Course Objectives

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

1. identify the major components and theories of supply chain management;
2. summarize functions of supply chain management related to customer service, integrated logistics, inventory and warehouse management, and strategic planning;
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 hierarchical operations planning process in terms of materials and capacity planning;
6. distinguish dependent from independent demand inventories;
7. compare the major elements of quality management programs utilized to address quality assurance within supply chain operations;
8. explain the interrelatedness of transportation, warehousing, and material handling;
9. describe how information is used to create customer satisfaction and greater profit;
10. explain the impact of global location decisions on a maritime supply chain;
11. evaluate the merits of financial and nonfinancial performance measures;
12. distinguish relationships between local and global supply chain management operations;
13. recognize future trends and challenges in supply chain management; and
14. summarize the utility of supply chain management in analysis of business problems and the development of solutions.

Major Topics

- I. Overview of Supply Chain Management
- II. Goals and Strategic Planning in Supply Chain Management
- III. Ethical and Sustainable Sourcing
- IV. Supplier and Customer Relationships
- V. Organization Function of Planning
- VI. Inventory Management

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

For more information, see your professor's syllabus.

- VII. Elements of
 - a. Cost Management
 - b. Quality Management Programs
- VIII. Integration of Transportation, Warehousing, 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 will be determined by the individual faculty member, but shall include the following, at minimum:

- three tests
- two individual written case analyses
- one team case analysis and presentation
- one team or individual project
- one research 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.

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