



MERCER
COUNTY COMMUNITY COLLEGE

COURSE OUTLINE

Course Number
BUS 244

Course Title
**Introduction to
Supply Chain Management**

Credits
3

Hours:
Lecture/Lab/Other
3/0/0

**Co- or Pre-requisite
Recommended:**
ENG 101; MAT 125 or MAT 146; IST 101

**Implementation
Semester & Year**
Fall 2022

Catalog description: A survey course designed to introduce students to the integrated activities of the supply chain, with emphasis on the flow of products, information, cash, and demand. Special topics such as the global dimension, the role of technology and strategic challenges will also be covered.

General Education Category:
Not GenEd

Course coordinator:

Erin Rybicki, D.B.A., J.D., M.Ed.
rybickie@mccc.edu

Required texts & Other materials:

Supply Chain Management: A Logistics Perspective,
Authors: Langley, Novack, Gibson, Coyle
ISBN-13: 9780357442135 (Cengage, 2021)

Course Student Learning Outcomes (SLO):

Upon successful completion of this course the student will be able to:

1. Identify key supply chain concepts within practical business scenarios [Supports ILG # 10; PLO # 3, 5]
2. Apply industry best practices and managerial considerations to issues affecting supply chain matters [Supports ILG # ; PLO # 1,4]
3. Analyze practical business scenarios concerning distribution, production, logistics, and introductory data analytics [Supports ILG # 10, 11 ; PLO #1, 3,]
4. Identify and describe matters within the global perspective of supply chain management [Supports ILG # 8; PLO # 2]
5. Appraise hypothetical supply chain scenarios to assess matters impacting sustainability [Supports ILG # 9, 11 ; PLO # 4,5]
6. Apply ethical best practices to critical operations including sourcing, production, contracting and customer service [Supports ILG # 9, 11; PLO #1]

Course-specific Institutional Learning Goals (ILG)

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.

Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples

Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 10. Information Literacy: Students will recognize when information is needed and have the knowledge and skills to locate, evaluate, and effectively use information for college level work.

Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Program Learning Outcomes for Business Administration A.S.

1. Formulate an analytical and quantitative approach to problem solving;
2. Demonstrate an understanding of the role of U.S. business in a globalized society;
3. Acquire effective business communication skills, including computer literacy;
4. Develop the foundation necessary to continue studies in fields such as economics, finance, accounting, management, marketing, and human resources;
5. Use the economic way of thinking in everyday life.

Units of study in detail – Unit Student Learning Outcomes:

Unit I Introduction to Supply Chain Concepts [Supports Course SLO # 1,2]

Learning Objectives

The student will be able to:

- Identify critical concepts and terminology in supply chain management
- Explain the general framework of a supply chain and its function within the greater economy
- Define the roles of logistics and data analysis within supply chain management
- Identify the key roles and concepts in the chain of distribution including supply chain networks, inventory development, cost and value, organizational relations and security.
- Explain matters affecting supply chain management and logistics
- Create sustainable solutions to practical sourcing challenges

Unit II Global Considerations [Supports Course SLOs # 4, 5]

Learning Objectives

The student will be able to:

- Explain the impact of globalization within the context of supply chain matters
- Describe challenges posed by land, resource, and practical business obstacles
- Describe the role of international law, policy, and trade practices impacting supply chain management
- Analyze security matters impacting global supply chains and explain the role of security processes within supply chain management
- Apply global business concepts and economics to practical business scenarios
- Describe regional challenges affecting supply chains
- Identify matters affecting changes and shifts in global trade patterns

Unit III Management Perspectives [Supports Course SLOs # 2]

Learning Objectives

The student will be able to:

- Describe supply chain challenges presented by external factors
- Describe supply chain challenges presented by internal factors
- Describe optimization models, heuristic models and simulation models
- Analyze issues from the perspective of a supply chain leader
- Identify processes to assess items needed and apply processes to assess need for sample scenarios
- Implement strategic sourcing methods to align with sample strategic goals within the organization
- Explain demand management concepts
- Describe the various professional roles and responsibilities within the organization and industry
- Describe the manager's role within the organization concerning compliance and business ethics

Unit IV Logistics [Supports Course SLOs # 4, 5]

Learning Objectives

The student will be able to:

- Describe the role of value-added logistics
- Explain essential logistics concepts
- Apply principles of form utility, possession utility, quantity utility, place utility and time utility to sample business scenarios
- Assess basic logistics models through sample business scenarios
- Describe logistics matters affecting transportation, storage, packaging, materials, inventory, orders & fulfillment, procurement, and forecasting
- Analyze sample logistics issues from the perspective of a supply chain manager

Unit IV Production & Demand Management [Supports Course SLOs # 3, 6]

Learning Objectives

The student will be able to:

- Describe the processes and concepts affecting production
- Resolve issues and apply prominently used methods to assuage production challenges including production tradeoffs and process functionality
- Assess the roles of packaging, design and process layout within the supply chain
- Analyze customer experience metrics from the perspective of a supply chain manager
- Analyze inventory metrics from the perspective of a supply chain manager
- Describe the role of compliance within production
- Apply ethical and sustainable principles to sample production models

Unit V Case Studies in Supply Chain Management [Supports Course SLOs # 3, 5, 6]

Learning Objectives

The student will be able to:

- Identify critical supply chain concepts within a case study
- Analyze an established case study and identify the relevant course concepts within the case study
- Apply lessons derived from real-world case studies to sample scenarios
- Propose sustainable solutions to sample supply chain scenarios

- Complete a SWOT analysis or comparable analysis of practical business matters within the scope of Supply Chain Management

Evaluation of student learning:

Tests: (2 tests @ 50 points each = 100 points total)

Projects: (2 projects @ 50 points each = 100 points total)

Case Study Analysis: (4 case study analyses @ 25 points each= 100 points total)

Final: (1 cumulative assessment @ 100 points)

Course total: 400 points