

**MCM5022                      SUPPLY CHAIN MANAGEMENT**

Course Code	MCM5022	Semester	IV
Course Title	<i>SUPPLY CHAIN MANAGEMENT</i>		
Credits	3	Type	ELECTIVE

This course shall have 3 lecture hours, 2 practicals, 1 tutorial.

**This is a Skill based, employability based, and entrepreneurship skill based course.**

**Course Objective**

To discuss and understand key concepts and issues in the design, operation and management of supply chains.

**Learning Objectives**

- Conceptualize supply chain designs, which are aligned with business models for manufacturing and service companies
- Ability to apply knowledge in the field of supply chain management in practice, understand the importance of strategic thinking in supply chains.
- Design supply chain contracts for effective governance of supply chain relationships.

**Course Structure**

**UNIT I**

Supply Chain Management-Concept, Significance, and - Business view of SCM; Concept, span and process of integrated SCM - supply chain relationship— cooperation and collaboration with supply chain partners — Supply chain metrics (KPIs)- supply chain synergy- Product Development Process and SCM; Strategic role of purchasing in the supply chain and total customer satisfaction; Types of purchases; Purchasing cycle.

**UNIT II**

Supply chain value —supply chain flow cycle- demand management —supply chain information system—intercompany and intra company information- relationship marketing and supply chain management- Inventory management- Economic Order Quantity models- Single period inventory models- sustainable supply chain for circular economy.

**UNIT III**

**Strategic** Vs tactical supply chain strategy—supply chain strategy and reward structure supply chain control system. - Value Chain Management- Concepts and features, Challenges, Sustainability- E-Supply Chain planning(Component); E-Supply chain fusion; Channel Management and Channel Integration- Purchasing Performance Evaluation- Supplier Price & Cost Analysis, Value

Analysis

#### **UNIT IV**

Global supply chain Management-Customs, Duties, Tariffs, INCO terms, Rules of origin, Letter of credit - International Transportation, landed cost analysis- Trading blocks, Trade Zone, bonded warehouses, ICD- Currency fluctuations, exchange rate risks, Transfer Pricing, permanent establishment.

#### **Practicals**

- Application of value analysis and supplier price and cost analysis.
- Determination of Economic Order Quantity.
- Working of e-supply chain.

#### **Skills**

- Develop understanding of business's supply-side activities.
- Inculcate skills on inventory control and inventory management.
- Better understanding of global supply chain management.
- Generate knowledge on managing supply chain online.

#### **Learning/Course Outcomes**

- Explain supply chain management, contrast it from operations management and propose the main performance drivers of supply chain performance.
- Assess the strategic role and impact of IT technologies on supply chain integration
- Express the major slacks in supply chains and formulate the approaches to manage them.

#### **Books for Reference:**

1. Ballau, Renald H.: Business Logistics Management' Prentice Hall Inc, Englewood Cliffs, New York1992.
2. Ballou, Ronald H: Business Logistics / Supply Chain Management, Pearson Education, New Delhi 2004.
3. Bowersox, D.J. and Closs, D.J.: Logistics Management: A System Integration of Physical Distribution, Tata McGraw Hill, New Delhi1996.
4. Bozarth, Cecil C. & Handfield, Robert B.; Introduction to Operations and Supply Chain

Management; Pearson Education; New Delhi

5. Chopra, Sunil and Peter Meindle: Supply Chain Management, Pearson Education, New Delhi 2005.
6. Christopher, M., Logistics and Supply Chain Management, Prentice Hall.
7. Christopher, M: Logistics and Supply Chain Management: Strategies for Reducing Costs and Improving Services, Pitman, London 1992.
8. Handfield and Nicholas, Jr., Introduction to Supply Chain Management, Prentice Hall.
9. Jhon J Coyle, C. Jhonand Langley, Brian J Gibbs, Logistics approach to Supply Chain Management, Cengage Learning.
10. John T. Mentzer: Fundamentals of supply chain management—Response Books
11. Mentzer, John T., et al: Ed., Supply Chain Management, Response Books, New Delhi 2001.
12. Murphy, Paul R. and Donald F. Wood, Contemporary Logistics, Prentice Hall.
13. Shapiro, R: Logistics Strategy: Cases and Concepts, West, St. Paul, 1995.
14. Wisner, Joel D., Leong, G. Keong & Tan, Keah-Choon; Principles of Supply Chain Management – A balanced approach; Thomson Learning; New Delhi