

UNIVERSITY OF MADRAS
M.Com. (GENERAL) DEGREE PROGRAMME
SYLLABUS WITH EFFECT FROM 2023-2024

First Year

Elective – IV B

Semester II

Course Code	Title of the Course	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
413E2D	LOGISTICS AND SUPPLY CHAIN MANAGEMENT		4	-	-	-	3	4	25	75	100

Learning Objectives	
1.	To identify the primary differences between logistics and supply chain management
2.	To understand the individual processes of supply chain management and their interrelationships within individual companies and across the supply chain.
3.	To evaluate the management components of supply chain management
4.	To analyse the tools and techniques applied in implementing supply chain management.
5.	To create awareness about the professional opportunities in supply chain management.

Course Units

<p>UNIT I (12 hrs)</p> <p>Supply Chain Management</p> <p>Supply Chain Management: Concept, Features, Evolution, Importance, Process and Barriers of Supply Chain Management – Principles, Supply Chain Strategies – Organizations, Coordination, Innovation and Forecasting - Supply chain intermediaries – Concept and Types, Channels of Distribution for Industrial Goods and Consumer Goods, Channels of Distribution at Services Level, Factors for selection of suitable channels.</p>
<p>UNIT II (12 hrs)</p> <p>Global perspectives</p> <p>Global perspectives: Measuring and analyzing the value and efficiency of Global Supply Chain Networks, Global market forces, Types of global supply chain -Indian Perspectives: Measuring and Analyzing the value and efficiency of Domestic Supply Chain Networks, Economic effects of supply chains - Customer Perspectives: Customer values, Role of customers and Ways of improving customer services in SCM.</p>

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UNITIII	(12 hrs)
Framework of Logistics	
Logistics: Introduction – Positioning of Information in Logistics and Supply Chain Management – Logistics Information System (LIS) - Logistics Management: Concept and Process, Competitive Advantages and Three C's, Changing Logistics Environment, Reverse Logistics, Importance of Inventory Control -Elements of inventory management – Inbound and out bound logistics, Bull- whip effect – distribution and warehousing management - Transport Functions and Participants in Transportation Decisions - Transport Infrastructure- Packaging and Materials Management: Consumer and Industrial Goods Packaging - Factors influencing Materials Planning, Preservation Safety and Measures of Materials Handling.	
UNITIV	(12 hrs)
SCM-Warehousing	
Introduction– Concepts of Warehousing– Types of Warehouse – Functions of Warehousing– Strategic Warehousing, Warehouse Operations, Ownership Arrangements, Warehouse Decisions, Warehouse Management Systems, Packaging Perspectives, Packaging for Material Handling Efficiency, Materials Handling, Supply Chain Logistics Design: Global Strategic Positioning; Global SC Integration, SC Security, International Sourcing, Distribution control and evaluation.	
UNITV	(12 hrs)
SCM-Plan	
SCM Plan: Demand Planning, Source of Procurement, Production or Assembly Steps, Sales return of defective or excess goods-Use of Internet in SCM: Role of computer/ IT in supply chain management –E- market places, E-procurement, E-logistics, E-fulfillment -Operative Systems in SCM: Enterprise Resource Planning (ERP), Performance Modeling of supply chains using Markov chains, Inventory Control- Importance, Pareto's Law -Emerging Technologies in Logistics and Supply Chain Management: CRM Vs SCM, Benchmarking concept, Features and implementation, Outsourcing: Basic concepts, Value addition in SCM – Concept of demand chain management - Growth of Logistics and Supply Chain Management in national and international scenarios.	

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Course Outcomes

Students will be able to:

CO No.	CO Statement	Knowledge level
CO 1	Recall the concepts and features of SCM	K1
CO 2	Summarise global and Indian perspectives of SCM	K2
CO 3	Examine changing logistics environment pertaining to materials management, warehousing and distribution	K4
CO 4	Explain strategic warehousing for SCM	K2
CO5	Outline the role of internet in SCM	K2

Books for study:

1. Christopher Martin, “Logistics and Supply Chain Management” (2016) 5th Edition, FT Publishing International, India
2. Chopra, Sunil, Meindl, Peter and Kalra, D.V.; Supply Chain Management: Strategy, Planning and Operation; Pearson Education Pvt. Ltd, Noida

Books for reference:

1. Sahay, B.S., Supply Chain Management, 2nd Edition; Macmillan Publishers India
2. Ballou, R.H. Business Logistics Management. Prentice-Hall Inc.
3. Bowersox D.J., Closs D.J, Bixby Cooper. M., Supply Chain Logistics Management, (2002), 9th Edition, McGraw-Hill Higher Education, Noida

Web references:

1. <http://www.wisdomjobs.com/e-universit/production-and-operations-management-tutorial-295/principles-of-material-handling-9576.html>
2. <http://www.marketing91.com/logistics-activitiesw/>
3. <https://www.fcbo.com/services/warehouse-strategies>.
4. <https://cleartax.in/s/just-in-time-jit-inventory-management>

Note: Latest edition of the books may be used

Mapping of course outcomes with POs and PSOs

	POs						PSOs		
	1	2	3	4	5	6	1	2	3
CO1	3	3	1	3	2	2	3	1	2
CO2	2	2	3	2	3	3	2	2	1
CO3	2	1	2	3	2	2	3	3	3
CO4	1	3	1	2	1	1	2	2	2
CO5	3	2	2	2	2	2	1	1	1

High – 3

Medium – 2

Low – 1