

Minor: Supply Chain Management

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title & Code	Credit Distribution of The Course			Eligibility Criteria	Prerequisite(s) of the Course (if any)
	Lecture	Tutorial	Practical / Practice		
Supply Chain Management	4	0	0	10 + 2 from a recognized board in Commerce stream	Nil

LEARNING OBJECTIVES (LO)	
LO-1	To impart practical knowledge of supply chain management and operations, up skill students and enable them to become effective professionals in the field. The course also imparts the tools and techniques for improving supply chain performance.
Course OUTCOMES (CO)	
At the end of the course, a student will be able to –	
CO-1	Conceptualise an idea about supply chain management offerings.
CO-2	Developing a network model design and Framework for supply chain management.
CO-3	Have a better understanding of emerging trends and regulatory mechanisms in logistics Management.
CO-4	Demonstrate the Sourcing and procurement process along with Reverse logistics.

Syllabus of [COMN661C]

Unit 1: Overview of Supply Chain Management (15 lectures)

Objectives of supply chain, Importance of SCM - Process view of Supply chain: Cycle View and Push and Pull view - Nature and scope of SCM: Purchasing, Logistics, Warehousing, and expediting - Process tools for supply chain management - Model of Supply Chain Management - Focus Areas in SCM - Types of Distribution Channels - Physical Distribution Management

Unit 2: Supply Chain Framework and Order processing (15 lectures)

Supply Chain Framework

Demand Management: Problems in Demand Management - Methods of Forecasting - Elements of Customer Services in SCM - Aggregate Planning in the Supply Chain

Order Processing

Customer Order Cycle - Logistic Information System - Supply chain Planning and strategy: Strategy Classification - Steps for Achieving Strategic Fit - Supply Chain Integration

Unit 3: Inventory Management and Transportation strategy in SCM (15 lectures)

Inventory Management in SCM

Concepts, Measurements of Inventory Management - Types of Inventory Cost - Importance of Inventory Management - Inventory Management Techniques - Approaches to Inventory Management: MRP and JIT

Transportation strategy in SCM

Characteristics of transportation modes and selection, Transportation Documents

Unit 4: Role of Procurement/Purchasing in SCM (15 lectures)

Objectives of Procurement/Purchasing - Process of Procurement/Purchasing - Strategic Role of Purchasing - Procurement Strategies - Coordination in the Supply Chain: Importance and Obstacles - Virtual Supply Chain - Lean and Agile Supply Chain - Reverse Logistics.

Text Book:

Supply Chain Management: Strategy, Planning and Operation by Sunil Chopra and Dharam Vir Karla Publication - Pearson 7th Edition.

Suggestive Readings:

- K. Shridhara Bhat, Supply Chain Management, Himalaya Publishing House, Latest Edition
- Supply Chain Management by N. Chandrasekaran, Taxmann Publications.