

### Other Electives (Department of Commerce)

## LOGISTIC AND SUPPLY CHAIN MANAGMENT

**COURSE CODE: U24COM2E01**

**COURSE CREDIT: 02**

**1 credit - 15 lectures**

**1 lecture is 60 minutes**

### Course Objectives:

1. To provide students with a basic understanding of concepts of logistics and supply chain management.

2. To introduce students to the key activities performed by the logistics function.
3. To understand global trends in logistics and supply chain management

**Course Outcome:**

**After studying the course, students will be able to:**

1. Understand the concepts of logistics and supply chain management.
2. Familiarize the students with logistic functions.
3. Identify the global trends in logistics and supply chain management.

Sr. No	Syllabus	No. of lectures
01	<p><b>Module 1: Overview of Logistics and Supply Chain Management</b></p> <p><b>a) Introduction to Logistics Management</b> • Meaning, Basic Concepts of Logistics- Logistical Performance Cycle, Inbound Logistics, In process Logistics, Outbound Logistics, Logistical Competency, Integrated Logistics , Reverse Logistics and Green Logistics • Objectives of Logistics, Importance of Logistics, Scope of Logistics, Logistical Functions/Logistic Mix, Changing Logistics Environment</p> <p><b>b) Introduction to Supply Chain Management</b> • Meaning, Objectives, Functions, Participants of Supply Chain, Role of Logistics in Supply Chain, Comparison between Logistics and Supply Chain Management, Channel Management and Channel Integration</p> <p><b>c) Customer Service: Key Element of Logistics</b> • Meaning of Customer Service, Objectives, Elements, Levels of customer service, Rights of Customers</p>	15
02	<p><b>Module 2: Recent Trends in Logistics and Supply Chain Management</b></p> <p><b>a) Elements of Logistics Mix:</b> Transportation- Introduction, Factors Influencing Transportation Decisions, Modes of Transportation- Railways, Roadways, Airways, Waterways, Ropeways, Pipeline, Transportation Infrastructure</p> <p>Warehousing: Introduction, Factors affecting Warehousing.</p> <p>Materials Handling: Equipments used for Materials Handling, Factors</p>	15
	<p>affecting Materials Handling Equipments,</p> <p>Packaging: Objectives of Packaging, Types of Packaging Material</p> <p><b>b) Information Technology in Logistics:</b> Introduction, Objectives, Role of Information Technology in Logistics and Supply Chain Management, Information Technology Infrastructure,</p> <p>Logistics in the Global Environment: Managing the Global Supply Chain, Impact of Globalization on Logistics and Supply Chain Management, Global Logistics Trends, Global Issues and Challenges in Logistics and Supply Chain Management</p>	

### Reference Books:

1. David Simchi Levi, Philip Kaminshy, Edith Simchi Levi, Designing & Managing the Supply Chain - Concepts, Strategies and Case Studies Logistics
2. Donald Waters, An Introduction to Supply Chain



3. Martin Christopher, Logistics & Supply Chain Management - Strategies for Reducing Cost & Improving Services
4. Donald J. Bowersox & David J Closs, Logistical Management-The Integrated Supply Chain Process, McGraw Hill Education
5. Ronald H Ballou & Samir K Srivastava, Business Logistics/ Supply Chain Management- Pearson
6. Donald J Bowersox, David J Closs & M Bixby Cooper, Supply Chain Logistics Management- The McGraw Hill Companies

### SCHEME OF EXAMINATION

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 40% marks in the first component by conducting the Semester End Examinations with 60% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below: -

**(C) Internal Assessment : 40%**

**20 Marks**

Sr. No.	Particulars	20 Marks
01	One periodical class test / online examination to be conducted in the given semester	10 Marks
02	One case study / project with presentation based on curriculum to be assessed by the teacher concerned/ Write up on selected topics of the subject/ test based on practical's/Open Book test	05 Marks
03	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05Marks

### Periodical class test Question paper pattern

Sr. No.	Particulars	10 Marks
Q.1.	Match the column/ Fill in the blanks/ MCQ's/ Answer in one	05 Marks



	or two lines concept based question (1 Mark / 2 Mark each)	
Q.2.	Answer in Brief / Practical question (Attempt any two out of four 5 marks each)	05 Marks

**(D) Semester End Examination : 60%**

**30 Marks**

Duration: The examination shall be of 1 hour duration.

**Question Paper Pattern**

<b>Duration : 1 hour</b>		<b>Total Marks: 30</b>
Q.1	10 marks OR 05/05 marks	10
Q.2	10 marks OR 05/05 marks	10
Q.3.	10 Marks OR 05/05 marks	10
Two short notes of 05 marks each or Case study		
<b>Total</b>		<b>30</b>
Note: 3. Q.1, 2, 3 10 marks question may be divided into sub questions if required. 4. Q.3 May include theory (short notes) /Case Study in one of the options.		

**Passing criteria:**

Minimum 40% in Internal (08 out of 20) and 40% (12 out of 30) in semester end examination.

