Gyanmanjari Innovative University

Course Syllabus
Gyanmanjari Institute of Commerce
Semester-5 (B.Com)

**Subject:** Logistics & Supply Chain Management- BCOMM15319

**Type of course:** Major (Core)

**Prerequisite:**
Basic understanding of business Operations and Supply chain fundamentals along with Marketing Concepts.

**Rationale:**
Logistics & Supply Chain Management is essential for optimizing the flow of goods, services, and information, ensuring efficiency and cost-effectiveness. Understanding its key components helps students to understand businesses operations, reduce waste, and enhance customer satisfaction.

**Teaching and Examination Scheme:**

| Teaching Scheme | | | Credits | Examination Marks | | | Total Marks |
|---|---|---|---|---|---|---|---|
| | | | | | CCE | | |
| CI | T | P | C | SEE | MSE | ALA | |
| 04 | 00 | 00 | 04 | 100 | 30 | 70 | 200 |

*Legends: CI-Classroom Instructions; T – Tutorial - Practical – Credit; SEE – Semester End Evaluation; MSE- Mid Semester Examination; V – Viva; CCE-Continuous and Comprehensive Evaluation; LA- Active Learning Activities.*

4 Credits * 25 Marks = 100 Marks (each credit carries 25 Marks)
SEE 100 Marks will be converted into 50 Marks
CCE 100 Marks will be converted into 50 Marks
It is compulsory to pass in each individual component

## Course Content:

| Sr. No | Course content | Hrs. | % Weightage |
|---|---|---|---|
| 1 | **Introduction to Supply Chain Management**<br>• Definition, Concept & Importance<br>• Evolution of SCM<br>• Key Drivers of SCM<br>**Supply Chain Components**<br>• Suppliers, Manufacturers, Distributors, Retailers, and Customers<br>• Upstream & Downstream Supply Chain<br>**Supply Chain Vs Logistics**<br>• Differences & Relationship between Logistics and SCM | 15 | 25 |
| 2 | **Procurement & Sourcing Strategies**<br>• Supplier Selection & Relationship Management<br>• Global vs Local Sourcing<br>**Inventory Management**<br>• Types of Inventory<br>• EOQ (Economic Order Quantity) Model<br>**Warehouse & Distribution Management**<br>• Warehousing Functions<br>• Types of Warehouses<br>• Warehouse Layout and Operations | 15 | 25 |
| 3 | **Logistics**<br>• Introduction to Logistics Management<br>• Meaning & Importance<br>• Types of Logistics: Inbound & Outbound<br>**Transportation in SCM**<br>• Modes of Transport (Road, Rail, Air, Water)<br>• Cost & Time Analysis in Transportation<br>**Distribution Network Design**<br>• Factors Affecting Distribution Decisions<br>• Hub & Spoke Model | 15 | 25 |
| 4 | • **Supply Chain Performance Measurement**<br>• Key Performance Indicators (KPIs)<br>• Balanced Scorecard Approach<br>• **Risk Management in SCM**<br>• Types of Risks (Supply, Demand, Operational)<br>• Risk Mitigation Strategies<br>• **Global Supply Chain Management**<br>• International SCM Challenges<br>• Role of Trade Agreements & Policies | 15 | 25 |

## Continuous Assessment:

| Sr. No | Active Learning Activities | Marks |
|---|---|---|
| 1 | **Warehouse Visit & Report**<br>Students will visit a local warehouse or distribution center to observe warehouse operations, storage systems, and inventory management. Based on their observations and findings, students will prepare a brief report and upload PDF it on the GMIU web portal. | 10 |
| 2 | **Supply Chain Mapping Activity**<br>Students will select a product of their choice and visit stores or manufacturing units to trace its supply chain from origin to end consumer. Based on their research and findings, students will prepare a detailed supply chain Summary report and upload PDF it on the GMIU web portal. | 10 |
| 3 | **Reverse Logistics Observation**<br>Students will visit service centers, recycling units, or retail stores to observe how returned goods or damaged products are managed and processed. Based on their observations and findings, students will prepare a report and upload PDF it on the GMIU web portal. | 10 |
| 4 | **Packaging & Sustainability in Supply Chain**<br>Students will research various sustainable packaging solutions and visit companies or stores to observe how they minimize packaging waste in their logistics operations. Based on their analysis and findings, students will prepare a report and upload PDF it on the GMIU web portal. | 10 |
| 5 | **Transport Logistics Study**<br>Students will identify a transport company or logistics hub to observe different modes of transportation and understand routing, fleet management, and delivery processes. Based on their observations and findings, students will prepare a brief report and upload PDF it on the GMIU web portal. | 10 |
| 6 | **Retail Store Supply Chain Observation**<br>Students will visit a retail store to observe how products are stocked, displayed, and replenished. Based on their observations and findings, students will prepare a report and upload PDF it on the GMIU web portal. | 10 |
| 7 | **Attendance** | 10 |
| | Total | **70** |

## Suggested Specification table with Marks (Theory):60

| Distribution of Theory Marks (Revised Bloom's Taxonomy) | | | | | | |
|---|---|---|---|---|---|---|
| Level | Remembrance (R) | Understanding (U) | Application (A) | Analyze (N) | Evaluate (E) | Create (C) |
| Weightage | 30% | 30% | 0% | 20% | 20% | - |

Note: This specification table shall be treated as a general guideline for students and teachers.

The actual distribution of marks in the question paper may vary slightly from above table.

## Course Outcome:

| After learning the course, the students should be able to: | |
|---|---|
| CO1 | Understand the fundamentals and role of supply chain management. |
| CO2 | Analyze sourcing, procurement, and inventory management techniques. |
| CO3 | Evaluate the role of logistics and transportation in supply chain efficiency.. |
| CO4 | Explore Supply Chain Performance Measurement, risk management, and emerging trends in SCM.. |

## Instructional Method:

The course delivery method will depend upon the requirement of content and the needs of students. The teacher, in addition to conventional teaching methods by black board, may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in the laboratory.

## Reference Books:

[1] Chopra, S., & Meindl, P. (2022). *Supply chain management: Strategy, planning, and operation* (8th ed.). Pearson

[2] Christopher, M. (2016). *Logistics and supply chain management* (5th ed.). Pearson.

[3] Simchi-Levi, D., Kaminsky, P., & Simchi-Levi, E. (2019). *Designing and managing the supply chain: Concepts, strategies, and case studies* (4th ed.). McGraw Hill.

[4] Shah, J. (2016). *Supply chain management: Text and cases* (2nd ed.). Pearson India.