

S. No	Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
								Sessional	Final Exam	Total
1	BCMMI- 605 (A)	Logistics and Supply Chain Management	Minor	4	4	0	0	40	60	100

Course Outcomes:

At the end of the course the student will be able to :-	
CO1	Explain the strategic planning process of logistics management.
CO2	Describe drivers of supply chain management.
CO3	Analyze factors affecting decision-making in supply chains.
CO4	Apply inventory management techniques in supply chain planning.
CO5	Evaluate practices like JIT, Kanban, and e-commerce in supply chain management.

Detailed Syllabus**Section A**

Unit I: Overview of logistics: Introduction, Nature, Evolution of Logistics, Logistics, Growing Importance of Logistics, Components of Logistics Management, Functions of Logistics, Strategic logistics planning process, Integrated logistics system.

(10hrs)

Unit II: Supply Chain Management: Introduction to supply chain management (SCM), Evolution of SCM, Customer service, Supply chain effectiveness, Supply chain structure, Supply chain drivers, Role and Relevance, Framework of supply chain solutions.

(10 Hrs)

Unit III: Decision Environment: Factors in Decision Making, Resource Driven Decision environment; Opportunities and constraints, Support systems for mapping decision environment, strategic decisions in the supply chain.

(10 Hrs)**Section B**

Unit IV: Supply Chain Planning: Supply chain planning, Demand planning and forecasting, Sales and operations planning, Scope of planning initiatives, Role of Inventory management in SCM: Classification of inventory, warehousing and distribution centers, Transportation, Packaging, Order processing.

(08 Hrs)

Unit V: : Key Operational Aspects and Technology in SCM: Operational practices in the Supply chain, Just in time, Kanban, Vendor managed Inventory, Quality, Green SCM, Ethical SCM, Supply chain security management, Role of the supply chain in E-business models, E-commerce and SCM.

(10 Hrs)**Textbooks:**

S. No.	Name of the Books	Author	Publisher	Edition (Pub.Yr.)
1	Supply chain management process, system.	N. Chandrasekaran	Oxford University Press	3 rd (2023)
2	Textbook of Logistics and Supply Chain Management	DK Agrawal	Jain Book Publisher	8 th (2018)

Reference Books:

S. No.	Name of the Books	Author	Publisher	Edition (Pub.Yr.)
1	Operations and Supply Chain management	Richard B. Chase Ravi Shankar F. Robert Jacobs	MC Graw Hill	5 th (2016)