GANPAT UNIVERSITY									
FACULTY OF MANAGEMENT STUDIES									
Programme	Bachelor of Business Administration					Branch/Spec.	Logistics		
Semester	I					Version	1.0.0.0		
Effective from Academic Year			2026-27			Effective for the Batch admitted in			July 2026
Course Code	BSEC109		Course Name			Logistics and Supply Chain Management			
Teaching Scheme						Examination Scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	02	00	00	00	02	Theory	25	25	50
Hours	02	00	00	00	02	Practical	00	00	00

Pre-requisites

Students should have Basic knowledge Basic transportation systems, fundamental concepts of economics and management.

Course Objective

To introduce the fundamental concepts of logistics and supply chain management and their significance in engineering and industrial development.
To equip students with strategic, sustainable, and global supply chain practices for improving efficiency.

Course Outcomes

On successful completion of the course, the students will be able to:

CO1	Explain the fundamental concepts of logistics and supply chain management, including procurement, outsourcing, transportation modes, and integrated logistics in engineering systems.
CO2	Analyz national initiatives such as the National Logistics Policy and PM Gati Shakti to evaluate their role in India's logistics optimization and economic transformation.
CO3	Apply strategic supply chain practices including lean, JIT, sustainable supply chains, risk management, and sector-specific logistics to improve operational performance.
CO4	Assess global supply chain networks, international trade logistics, and the role of 3PL, 4PL, and 5PL in enhancing supply chain efficiency and competitiveness.

Theory Syllabus

Unit	Content	Hrs.
1	Introduction to logistics & Naya Bharat and Logistics: The importance of logistics and supply chain management in engineering, demand management in the supply chain, Definition of Procurement/Outsourcing, Retention Procurement and Outsourcing, Benefits of Logistics Outsourcing, Critical Issues in Logistics Outsourcing. National Logistics Policy and its role in the development and optimization of logistics process, A review of India's economic transformation and the "New India" vision lean and just-intime (JIT) and lean concepts in Indian manufacturing, Logistics and the management of food supply chains, Last-mile delivery and omnichannel logistics, Logistics for pharmaceuticals and medical devices.	15
2	Supply chain management & Global Logistics and Supply Chain Management: 3PL,4PL & 5PL, Meaning and importance of SCM-Supplier, sustainable supply chain, distribution strategies in the supply chain, supply chain contracts, supply chain risk management, strategic, sourcing, reverse logistics, transportation modes, and management. Integrated Logistics, Need for, Integration Activity Centres in Integrated Logistics. Role of 3PL, 4PL & 5PL. International trade and logistics, Introduction to global Supply Chain Management, global network supply chain design. Gol initiatives in Logistics, as well as the PM Gati Shakti-Master National Plan, Government policies and initiatives promoting logistics and supply chain Productivity.	15

Exam: Theory 100%, Numerical 0%

Practical Content

Practical, assignments and tutorials are based on above syllabus.

Text Books

1	Designing and Managing the Supply Chain: Concepts, Strategies, and Case Studies (2022), 4th Edition by David Simchi-Levi, Philip Kaminsky, Edith Simchi-Levi, Ravi Shankar.

Reference Books

1	Course Material by LSC.
2	Supply Chain Management (2018), 7th Edition, by Sunil Chopra, Peter Meindl, Dharam Vir Kalra. Logistics & Supply Chain Management, (Latest edition), Martin Christopher, Prentice Hall.

ICT/MOOCs Reference	
1	https://onlinecourses.swayam2.ac.in/e-learning/preview/cec26_mg09

Mapping of CO with PO and PSO:

Course Outcome (CO) No.	PO-CO Mapping								PSO-CO Mapping					
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	2	2	2	2	1	2	3	2	2	2	2	1
CO2	3	3	2	3	2	3	2	2	3	3	2	3	2	2
CO3	3	3	3	3	2	3	3	2	3	3	3	3	3	2
CO4	3	3	3	3	3	3	2	3	3	3	3	3	3	3