

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Course Code	19HS2801A	Year	IV	Semester	II
Course Category	Inter Disciplinary Elective-III	Branch	Common to all	Course Type	Theory
Credits	3	L-T-P	3-0-0	Prerequisites	--
Continuous Internal Evaluation:	30	Semester End Evaluation:	70	Total Marks:	100

Course Outcomes

Upon successful completion of the course, the student will be able to

CO1	To understanding of the fundamental logistics and supply chain management concepts.
CO2	The ability to apply knowledge to evaluate and measuring logistics costs and performance.
CO3	To understanding of the foundational role of logistics as it relates to Source and transportation.
CO4	To awareness on how to align the management of a supply chain with corporate goals and strategies.
CO5	The capability to analyze and improve pricing product and documentation

Mapping of course outcomes with Program outcomes (CO/ PO/PSO Matrix)

Note: 1- Weak correlation 2-Medium correlation 3-Strong correlation

* - Average value indicates course correlation strength with mapped PO

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3		2								3	3	
CO2	3	3		2								3	3	
CO3	3	3		2								3	3	
CO4	3	3		2								3	3	
CO5	3	3		2								3	3	
Average* (Rounded to nearest integer)	3	3		2								3	3	

Syllabus

Unit No.	Contents	Mapped CO
I	Introduction to Logistics Management: Introduction, Objectives, Concept of Logistics, Objectives of logistics, Types of logistics, Concept of Logistics Management, Evolution of Logistics, Role of Logistics in an Economy, Difference between Logistics and Supply Chain Management.	CO1
II	Measuring logistics costs and performance: The concept of Total Cost analysis – Principles of logistics costing – Logistics and the bottom-line – Impact of Logistics on shareholder value.	CO2
III	Logistics and Supply chain relationships: Benchmarking the logistics process and SCM operations –Mapping the supply chain processes – Supplier and distributor benchmarking–identifying logistics performance indicators – Channel structure.	CO3

IV	Sourcing and Transporting: sourcing decisions and transportation in supply chain – infrastructure suppliers of transport services – transportation economics.	CO4
V	Pricing Product and Documentation: Pricing - Revenue Management Lack of coordination and Bullwhip Effect - Impact of lack of coordination - Documentation - functions and types.	CO5

Learning Resource

Text books:

1. Donald J. Bowersox and David J. Closs: "Logistical Management" The Integrated Supply Chain Process, TMH, 2011.
2. Edward J. Bradi, John J. Coyle: "A Logistics Approach to Supply Chain Management, Cengage Learning, New Delhi, 2012.

Reference books

1. D.K. Agrawal: "Distribution and Logistics Management", MacMillan Publishers, 2011
2. Sunil Chopra and Peter Meindl: "Supply chain Management: Strategy, Planning and Operation", Pearson Education, New Delhi 2013
3. Rahul V. Altekar: Supply Chain Management, PHI Learning Ltd, New Delhi, 2009
