

**LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

<b>Course Code</b>	19HS2801A	<b>Year</b>	IV	<b>Semester</b>	II
<b>Course Category:</b>	Inter Disciplinary Elective	<b>Branch</b>	ME	<b>Course Type</b>	Theory
<b>Credits:</b>	3	<b>L – T – P</b>	3 – 0 – 0	<b>Prerequisites:</b>	Nil
<b>Continuous Evaluation:</b>	30	<b>Semester End Evaluation:</b>	70	<b>Total Marks:</b>	100

<b>CO1</b>	To understanding of the fundamental logistics and supply chain management concepts.
<b>CO2</b>	The ability to apply knowledge to evaluate and measuring logistics costs and performance.
<b>CO3</b>	To understanding of the foundational role of logistics as it relates to Source and transportation.
<b>CO4</b>	To awareness on how to align the management of a supply chain with corporate goals and strategies.

<b>CO5</b>	The capability to analyze and improve pricing product and documentation													
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
<b>CO1</b>	3	3		2								3	3	
<b>CO2</b>	3	3		2								3	3	
<b>CO3</b>	3	3		2								3	3	
<b>CO4</b>	3	3		2								3	3	
<b>CO5</b>	3	3		2								3	3	
<b>1- Low</b>				<b>2-Medium</b>					<b>3-High</b>					

<b>Course Content</b>		
<b>UNIT-1</b>	<b>Introduction to Logistics Management:</b> 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.	<b>CO1</b>
<b>UNIT-2</b>	<b>Measuring logistics costs and performance:</b> The concept of Total Cost analysis – Principles of logistics costing – Logistics and the bottom-line – Impact of Logistics on shareholder value.	<b>CO2</b>
<b>UNIT-3</b>	<b>Logistics and Supply chain relationships:</b> Benchmarking the logistics process and SCM operations –Mapping the supply chain processes – Supplier and distributor benchmarking–identifying logistics performance indicators – Channel structure.	<b>CO3</b>
<b>UNIT-4</b>	<b>Sourcing and Transporting:</b> sourcing decisions and transportation in supply chain – infrastructure suppliers of transport services – transportation economics.	<b>CO4</b>
<b>UNIT-5</b>	<b>Pricing Product and Documentation:</b> Pricing - Revenue Management Lack of coordination and Bullwhip Effect - Impact of lack of coordination - Documentation - functions and types.	<b>CO5</b>
<b>Learning Resources</b>		

<b>Text Books</b>	<ol style="list-style-type: none"><li>1. Donald J.Bowersox and David J.Closs: “Logistical Management” The Integrated Supply Chain Process, TMH, 2011.</li><li>2. Edward J Bradi, John J Coyle: “ A Logistics Approach to Supply Chain Management, Cengage Learning, New Delhi, 2012.</li></ol>
<b>Reference Books</b>	<ol style="list-style-type: none"><li>1. D.K.Agrawal: “Distribution and Logistics Management”, MacMillan Publishers, 2011</li><li>2. Sunil Chopra and Peter Meindl: “Supply chain Management: Strategy, Planning and Operation”, Pearson Education, New Delhi 2013</li><li>3. Rahul V Altekar: Supply Chain Management, PHI Learning Ltd, New Delhi, 2009</li></ol>