

Supply Chain and Logistics Management

Semester V	Subject Code: BB51701	Lectures: 60
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Objectives:

The syllabus aims in equipping students with,

- The fundamental processes and components of Supply Chain Management
- An understanding of how supply chain strategy can provide a competitive advantage for organizations
- The issues in core functions in materials and logistics management
- An insight into the competitive approach to Warehousing and Distribution
- Making Inventory decisions that strikes a balance between inventory investment and control
- The key activities performed by the logistics function including distribution, transportation and global logistics

Unit 1:Supply Chain Management

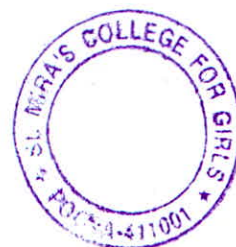
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- Concept, objectives, significance
- Process view of a Supply Chain Cycle : Push Pull View
- Components of supply chain
- Achieving Tradeoff between Customer Service and Cost
- Green Supply Chain Management
- Role and Future of IT in the Supply Chain
- E-Business and the Supply Chain

Unit 2:Physical distribution

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- Definition, Importance, Participants in Physical Distribution Process
- Marketing Channel
 - Marketing Channels for Consumer Goods
 - Marketing Channels for Industrial Goods
 - Marketing Channels for Services
- Different forms of channels
 - Unconventional channels
 - Integrated Marketing Channel
- Role of IT in Physical Distribution



Unit 3: Procurement and Warehouse Management	10
<ul style="list-style-type: none"> • Procurement <ul style="list-style-type: none"> ➤ Supplier Management ➤ Management Supplier Selection ➤ Tendering, E-Tendering, Negotiation • Warehouse Management <ul style="list-style-type: none"> ➤ Types of Warehousing (General, Specific, Bonded, Bulk Storage, Refrigerated) ➤ Operating Principles of Warehouse Design (Design Criteria, Handling Technology, Storage Plan) ➤ Warehouse Layout Docking and Marshalling ➤ Warehouse Safety Management ➤ Factors for Ideal Warehouses 	

Unit 4: Inventory (Theory and Problems)	14
<ul style="list-style-type: none"> • Need and Types of Inventory • Costs associated with Inventory • Inventory Levels • Basic EOQ Model (EOQ and EOQ with Discounts) • ABC Analysis • Stacking and Racking System: Last In First Out & First In First Out 	

Unit 5: Logistics Management	08
<ul style="list-style-type: none"> • Concept and Significance • Forms of Logistics Operations (Maritime Logistics, Land Logistics, Express Delivery, City Logistics) • The Economics of Logistics • Cost Associated with Logistics • Logistics in International Trade • Logistics outsourcing : <ul style="list-style-type: none"> ➤ Third Party Logistics (3PLs) ➤ Fourth Party Logistics (4PLs) • Future Prospects of logistics 	

***Contact hours – 12 hours**



Recommended Text Books:-

1. *Supply & Chain Logistics*, Mangesh P. Waghmare, Vision Publication (2010), First Edition
2. *Principles and Practices of Costing*, Sunita Pokharna, Success Publications, Pune

Reference Books:-

1. Sunil Chopra, Peter Meindl, *Supply Chain Management*, Pearson Education Inc., 2006-2nd Edition
2. L.C. Jhamb, *Inventory Management*, Everest Publishing House (2002), Eleventh Revised Edition
3. Vinod V. Sople, *Supply Chain Management (Texts & Cases)*, Pearson Education Inc. 2012, First Impression
4. Meenal Dhotre, *Channel Management & Retail Marketing*, Himalaya Publishing House (2008), First Edition
5. Ballou Ronald. H, *Business Logistics Supply Chain Management*, Pearson, New Delhi, 5th Edition
6. Grant David. B, Trautrim Alexander, Kogan Page, *Sustainability Logistics & Supply Chain Management*, New Delhi, 2013

