

**Course Name- Supply Chain Management****Course Code- MS 506****Course Credits: 6**

**Course Objective:** The course aims to provide the student the in-depth knowledge of logistics and supply chain management so as to help in tackling the related business problems develop efficiency.

**BLOCK I INTRODUCTION TO SUPPLY CHAIN MANAGEMENT****Unit I Introduction, Supply Chain, Importance, Process, Objectives****Unit II Supply Chain Performance****Unit III Supply Chain Drivers and Metrics****Unit IV Distribution Network in Supply Chain****Unit V Network Design in the Supply Chain****BLOCK II DEMAND AND SUPPLY IN SUPPLY CHAIN****Unit VI Global Supply Chain & Uncertainties in Practices.****Unit VII Demand Forecasting in Supply Chain****Unit VIII Aggregate Planning in Supply Chain****Unit IX Planning Supply and Demand in a Supply Chain****Unit X Co-ordination in Supply Chain.****BLOCK III PLANNING AND MANAGING INVENTORIES****Unit XI Economies of Scale in a Supply Chain: Cycle Inventory****Unit XII Safety Inventory Management****Unit XIII Level of Product Availability****Unit XIV Transportation in Supply Chain****Unit XV Sourcing Decision in Supply Chain****BLOCK IV MANAGING CROSS FUNCTIONAL DRIVERS IN SCM****Unit XVI Pricing and Revenue Management in a Supply Chain****Unit XVII Information Technology in a Supply Chain, Coordination in a Supply Chain****Unit XX Demand Management and Customer Service****Unit XXI Internet Technologies and Electronic Commerce in SCM****Unit XXII E-business and Supply Chain****Unit XXIII Financial evaluation of Supply Chain Decisions****Suggested Readings:**

1. Sunil Chopra and Peter Meindi, Supply Chain Management-Strategy Planning and Operation, Pearson Education, Third Indian Reprint, 2004.

2. Monczka et al., Purchasing and Supply Chain Management, Thomson Learning, Second edition, Second Reprint, 2002.
3. Altekar Rahul V, Supply Chain Management-Concept and Cases, Prentice Hall India, 2005.
4. Shapiro Jeremy F, Modeling the Supply Chain, Thomson Learning, Second Reprint , 2002.
5. Ballou Ronald H, Business Logistics and Supply Chain Management, Pearson Education, Second Indian Reprint, 2004.
6. Sople Vinod V, Logistics Management – The Supply Chain Imperative, Pearson Education, Indian Reprint 2004.
7. Ailawadi C Sathish & Rakesh Singh, Logistics Management, Prentice Hall India, 2005.
8. Coyle et al., The Management of Business Logistics, Thomson Learning, 7<sup>th</sup> Edition, 2004.
9. Bowersox Donald J, Logistical Management – The Integrated Supply Chain Process Tata McGraw Hill, 2000.
10. Bloomberg David J et al., Logistics, Prentice Hall India, 2005.