



**INSTRUCTION DIVISION**  
**SECOND SEMESTER 2015-2016**

**Course Handout (Part II)**

**Date: 13/01/2016**

In addition to part I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

**Course Number : MF F421**  
**Course Title : SUPPLY CHAIN MANAGEMENT**  
**Instructor In-charge : SRIKANTA ROUTROY**

**1. Scope & Objectives of the Course:**

The course provides students with the opportunity to get clarity and insight into the phenomenon of Supply Chains and their management. It will assist in understanding SCM not as a technology issue but rather a business strategy for companies trying to create new competitive advantage.

- Attain familiarity with the fundamentals of Supply Chain Management and its use in organizations seeking to create differentiation.
- Understand issues in implementing Supply Chain Management and e-fulfilment in a web enabled world.

**2. Text Books:**

**T1:** Sunil Chopra, Peter Meindl and D V Kalra, “Supply Chain Management: Strategy, planning and Operation”, Pearson Education, Fifth Edition, India, 2013.

**3. References:**

**R1:** Donald J. Bowersox, David J. Closs, and M. Bixby Cooper “Supply Chain Logistics Management”, Second Edition, Tata McGraw-Hill.

**R2:** Douglas M Lambert and James R. Stock, “Strategic Logistics Management 4e”, MCGraw-Hill, 2001.

**4. Course Plan:**

Lect. No.	Topic to be Covered	Learning Objectives	Ref. To Text
2	What is Supply Chain Management & how does it create Value?	Describe the cycle and push/ pull view of a supply chain Identify the key supply chain decision phases. Goal of supply chain & impact of supply chain decision on the success of a firm	Chapter 1 T1
3	Strategic Fit & Scope	Achieving strategic fit is critical to a company's overall success.	Chapter 2 T1
2	Supply Chain Drivers and Metrics	Identify the major drivers of supply chain performance. Discuss the role each driver plays. Describe the major obstacles that must be overcome to manage a supply chain successfully.	Chapter 3 T1





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6	Designing the distribution network	Designing the distribution network in a supply chain, Network design in the supply chain, Network design in uncertain environment	Chapters 4, 5 & 6 T1
8	Planning demand and supply in supply chain	Demand forecasting in supply chain, Aggregate planning in the supply chain, Planning supply and demand in the supply chain: Managing predictable variability; Coordination in Supply Chain	Chapters 7, 8, 9 & 10 T1
8	Planning and managing inventories in a supply chain	Managing economies of scale in the supply chain: Cycle inventory, Managing uncertainty in the supply chain: Safety inventory, Determining optimal level of product availability	Chapters 11, 12 & 13 T1
6	Transportation Sourcing, and pricing products	Sourcing decisions in a supply chain, Transportation in the supply chain, Pricing and revenue management in the supply chain	Chapters 14,15 and 16 T1
2	Sustainability and the supply chain	Introduction to sustainability; Issues and performance measures	Chapter 18 T1

**5. Evaluation Component**

S. No.	Evaluation Component	Duration	Max. Marks	Date & Time	Remarks
1	Mid-Semester Examination	90 Min.	25	16/3 2:00 -3:30 PM	Close Book
2	Surprise Quizzes		15	<b>To be announced in class</b>	
3	Project/Case Study /Article Presentations		20		
4	Comprehensive Examination	3 hrs	40	9/5 FN	Partial Open Book

**6. Chamber Consultation:** 5 to 6 P.M. Tuesday.

**7. Notices:** All notices concerning this course will be displayed on the Mechanical Department Notice Board only.

**8. Make-Up Policy:** No students will be allowed to take make up without prior permission. For the case study and assignment / article/class presentation, no make ups will be granted.

**Instructor - in - Charge**  
**MF F421**



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