BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, Pilani
Pilani Campus

SECOND SEMESTER 2021-2022
Course Handout (Part II)

Date: 15/01/2022

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 : PHANEENDRA KIRAN CHAGANTI

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 Supply Chain Management (SCM) not as a technology issue but rather a business strategy for companies trying to create new competitive advantage. The objectives of the course are mentioned below:

    i. Attain familiarity with the fundamentals of SCM and its use in organizations seeking to create differentiation.

    ii. Provide a platform for supply chain analytics

    iii. Understand issues in implementing SCM 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, Sixth Edition, India, 2016.

3. References:

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

4. Course Plan:

Lect. No.	Topic to be Covered	Learning Objectives	Chapter in the Text Book
1-2	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
3-5	Strategic Fit & Scope	Achieving strategic fit is critical to a company's overall success.	Chapter 2 T1
6-8	Supply Chain Drivers and Metrics	Identify the major drivers of supply chain performance. Discuss the role each driver plays. Describe the major	Chapter 3 T1

		obstacles that must be overcome to manage a supply chain successfully.	
9-16	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
17-23	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
24-32	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
33-39	Transportation, and Sourcing	Sourcing decisions in a supply chain, Transportation in the supply chain, Pricing and revenue management in the supply chain	Chapters 14 and 15 T1
40-42	Sustainability and the supply chain	Introduction to sustainability; Issues and performance measures	Chapter 17 T1

5. Evaluation Component

S. No.	Evaluation Component	Duration	Max. Marks	Date & Time	Nature
1	Mid-Semester Examination	90 Min	50 (25%)	11/03 3.30pm to5.00pm	CB
2	Surprise Quizzes		40(20%)		OB
3	Project/Case Study /Article Presentations		30 (15%)		OB
4	Comprehensive Examination	120min	80 (40%)	10/05 AN	CB/OB

6. Chamber Consultation: To be announced in the class.

7. Notices: All notices concerning this course will be displayed on the CMS 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.

9. **Academic Honesty and Integrity Policy:** *Academic honesty and integrity are to be maintained by all the students throughout the semester and no type of academic dishonesty is acceptable.*

Instructor - in - Charge