

1.	Title of the course	Supply Chain Management
2.	Course number	HS520L
3.	Structure of credits (L-T-P-C)	3-0-0-3
4.	New course/modification to	New
5.	To be offered by	Humanities and Social Sciences
6.	Prerequisite	None
7.	<b>Course Objective(s):</b> To explain the functions of supply chains. To apply techniques to optimize supply chains and develop strategies to design sustainable supply chains.	
8.	<b>Course Content:</b> Supply chains: characteristics, objectives, scope, decision phases, performance; Sustainable supply chain: risk management, digital supply chains; Supply chain configurations: facility location, network design; Demand and capacity management: forecasting, aggregate planning; Inventory management: functions and types, inventory models; Logistics planning: reverse logistics; Recent developments.	
9.	<b>Textbook(s):</b> 1. Chopra S, Meindl P and Kalra D V, Supply Chain Management: Strategy, Planning, and Operation, 7th Edition, Pearson (2019).	
10.	<b>Reference(s):</b> 1. Simchi-Levi D, Simchi-Levi E, Kaminsky P and Shankar R, Designing & Managing the Supply Chain: Concepts, Strategies and Case Studies, 4th Edition, McGraw Hill (2022). 2. Heizer J, Render B, Munson C and Sachan A, Operations Management: Sustainability and Supply Chain Management, 12th Edition, Pearson (2017). 3. Chase R B, Shankar R and Jacobs F R, Operations and Supply Chain Management, 15th Edition, McGraw Hill (2018).	