

Branch Name:	Management (International Business)
Program Code:	MS201
Course Title:	International Supply Chain Management and Logistics
Course Code:	2MS2010483T
Pre-requisite Course:	Basics of business management

Course Objectives:

1. Provides know-how required to operate an efficient and cost effective warehouse as also the role of inventory in warehouse management.
2. It provides guidance on using the latest technology, reducing inventory, people management, location and design and managing uncertainty risks of customer markets.
3. Define the right structure of the supply network and inventory control and warehouse management system.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
4	-	-	4	60	40	-	-	100

Subject Contents:

Sr. No	Topic	Total Hours	Weightage (%)
1	Basic Framework and Integrated SCM Concept of supply chain management (SCM); SCM and trade Logistics; Business view of SCM; Push and pull of SCM; Decision phases; Impellers and drivers in SCM Process views of SCM, planning and operations. Integrated SCM - Concept, span and process of integrated SCM; Competitive strategy and strategic fit; Demand forecasting; Methods of demand forecasting.; Risk management in demand forecasting; Supply chain metrics (KPIs), performance measurement and continuous improvement; Supply chain modeling; Challenges to achieving and maintaining strategic fit	10	20
2	Managing Relationship Supply Chain and Information Management Systems Role of Relationship marketing in SCM; Managing relationships with suppliers and customers; Role of on-line sales and supply chain. Designing strategic distribution network. Factors influencing distribution network. Purchasing Process- Strategic role of purchasing in the supply chain and total customer satisfaction; Types of purchases; Purchasing cycle; Supplier selection and evaluation; Vendor development. Importance of information management; Distribution and sharing of information; Information technology as a platform for effective and efficient supply chain management; Functional application of TRADITIONAL ERP, SPECIAL ERP, MR, DRP, PDM, EIP, CPFR, WMS, TMS, RFID, GPS, GIS; Re-engineering the supply chain: Future directions.	10	20

3	Logistic System and Warehousing Concept, objectives and scope of logistics; System elements; Inbound and Outbound logistics. Reverse inventory. Value added role of logistics. Logistics interface with manufacturer and marketing. Packing, Marking, Just in time concept; Third party logistic outsourcing– challenges and future directions. Warehousing and marketing strategy; Objectives and functions of warehousing; Warehouse strategies; Material handling equipment and material mobility Warehousing evaluation and requirements.	10	20
4	Transportation Importance of effective transportation system; Service choices and their characteristics; intermodal services; Transport cost characteristics and rate fixation; In-company management vs. out –sourcing; Implementation and continuous improvement; Carrier selection determinants and decision. Structure of Shipping: World sea borne trade; international shipping - characteristics and structure; Liner and tramp operations; Liner freighting; Chartering-Types, principles and practices; Charter, party agreement; Development in sea transportation-Unitization, containerization, inter and multimodal transport; CFC and ICD; Indian shipping – growth, policy and problems; Ports and port trust. International Air transport: International set up for air transport: Freight rates; India’s exports and imports by air – Problems and prospects. Carriage of Goods by sea, sea and combined transport; international conventions and Indian law; Maritime frauds and unethical practices–causes and protection; Role and types of cargo intermediaries.	10	20
5	Contemporary issues and cases Disruption caused by global events such as the COVID-19 pandemic. The increasing focus on sustainability and environmental concerns, leading to pressure for more eco-friendly practices and transparency in supply chains. Geopolitical tensions and trade disputes can disrupt international logistics, impacting supply chain operations. An example case study could be the challenges faced by companies sourcing materials from regions with political instability, such as conflict minerals in Africa, and how they navigate these complexities while ensuring ethical and sustainable practices.	8	20

Text Books:

1. Christopher, M., Logistics and Supply Chain Management, Prentice Hall.
2. David E. Mulchy & Joachim Sidon (2008) A Supply Chain Logistics Program for Warehouse Management. Auerbachian Publications
3. Gwynne Richards (2014) Warehouse Management: A Complete Guide to Improve Efficiency and Minimizing Cost in the Modern Warehouse. The Chartered Institute of Logistics and Transport, Kegan page limited

Reference Books:

1. Ballau, R.H., Business Logistics Management, Prentice Hall, Englewood Cliffs.
2. Bes, J., Dictionary of Shipping and chartering Practices.
3. Indian Shipping and Transport, Mumbai, Various issues.
4. Murphy, Paul R. and Donald F. Wood, Contemporary Logistics, Prentice Hall

List of Open-Source Software/learning website:

1. <https://nptel.ac.in/>
2. <https://swayam.gov.in/>

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Understanding the Basic Framework and Integrated SCM	Understand
CLO2	Managing Relationships and Information Systems in SCM	Analyze
CLO3	Evaluating Logistics Systems and Warehousing Strategies	Evaluate
CLO4	Understanding Transportation Systems in Global SCM	Understand
CLO5	Addressing Contemporary Issues in Global Supply Chains	Evaluate
CLO6	Applying Practical Knowledge in Supply Chain Management	Apply

Mapping of CLO with PO and PSO

Course Learning Outcomes	Program Outcomes (POs)								Program Specific Outcomes (PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CLO1	H	H					H		H	
CLO2		H	H				H	M		H
CLO3	H					H	M		H	
CLO4	H	H				H				H
CLO5					H	H	M	H	H	
CLO6			H			H		H		H

H: High, M: Medium, L: Low