

Course title: Logistics and Supply Chain Management				
Course code: BSI 138	No. of credits: 2	L-T-P distribution: 28-0-0	Learning hours: 28	
Pre-requisite course code and title (if any):				
Department: Department of Business Sustainability				
Course coordinator (s): Prof. Shri Prakash			Course instructor(s): Prof. Shri Prakash	
Contact details: shri.prakash@teri.res.in				
Course type	Core	Course offered in: Semester 2		
Course description Globalization has brought the whole world together compressing it to a small economic entity. It has opened it to an access of sources as well as markets. Whereas for the customers globalization has brought wide choices of products, it has also added up to new dimensions of increased competitive pressures and a high enhanced competition that existed never before. Logistics in this direction is going to play an important role. An efficient and effective supply chain is possible through the discipline of an equally effective and efficient logistics management right from procurement through several warehousing and the use of transportation channels till the product reaches the customer. This course is designed to expose the students of business management in general and supply chain, operations management, infrastructure, and marketing management in particular to the fundamentals of logistics management.				
Course objectives To understand logistics, its framework and practical utility To understand the various concepts that are used in logistics To understand how logistics can become an important tool to reach goals of cost reduction and enhance customer service To appreciate the importance of logistics management in achieving integration				
Course content				
Module	Topic	L	T	P
1.	Introduction and Customer Service Goals Logistics defined, importance in supply chain, strategy, service goals	2	0	0
2.	Value chain and Distribution Channels Various channels of distribution-benefits and limitations	2	0	0
3.	Transport Strategy Freight transport, vehicle selection and decisions on cost and service, route planning	2	0	0
4.	Locations Decisions Facility locations, network planning	2	0	0
5.	Warehousing Design, functions, layout, site selection, coverage	4	0	0
6.	Material handling Handling, storage, packaging	2	0	0
7.	Logistics Outsourcing Planning framework for logistics, logistics process, selection, advantages, disadvantages, 3PL, 4PL	2	0	0
8.	E-commerce Logistics Order fulfilment and delivery	2	0	0
9.	Reverse Logistics Role and design considerations	2	0	0
10.	Global Logistics	2	0	0

	Role, operational factors, issues, advantages, managing global pipe line			
11.	Technology in Logistics Need for integration with supply chain, role of IT, ERP	2	0	0
12.	Performance Measurement and Control Systems Need, levels, objectives, and parameters	2	0	0
13.	Strategic Dimension and the Future of Logistics with focus on infrastructure Linkage with product life cycle, and tracking	2	0	0
	Total	28	0	0
<p>Evaluation criteria Quizzes: Two best from three 10% Case presentations 30% Mid Term 20% End Term 40%</p> <p>Case Study This shall consist of 10-15 slides case on one or more issues related to supply chain management practices under study. Typical area(s) on which the case should focus on include supply chain strategy formulation, order fulfilment, logistics solution implementation, inbound logistics, outbound logistics, supplier-customer involvement, global sourcing, reverse logistics, reverse auction to mention a few. The case should clearly highlight the imperatives driving the supply chain initiatives, benefits envisaged and methodology followed.</p> <p>Presentation</p> <ul style="list-style-type: none"> • The presentation should cover both the analysis of primary and secondary data. • Each presentation will be of 20 minutes with 12 minutes given to the group to highlight the key findings and 8 minutes for open discussion with the students. 				
<p>Learning outcomes The course development focuses on logistics as a support system to the infrastructure industries and supply chains. A large portion of the course therefore deals with transportation, warehousing, integration, outsourcing of logistics such as 3PL, 4PL, performance in logistics and integration. Core subjects of supply chain, as inventory management, processing, lead time controls find only a connective mention. The course has a basic learning outcome of introducing the business management students with a specialization in infrastructure to the fundamentals of logistics management.</p>				
<p>Pedagogical approach The pedagogy will be a mix of lectures, experience sharing, case discussions, and assignments. The course is focused on strategic issues with cases as the primary vehicle for learning. Additional readings and cases will be distributed in the class from time to time. Students are also expected to prepare and analyze all the cases as class participation is very important.</p>				
<p>Text Books Logistics Management, 3e Vinod V. Sople, Pearson Education, 2012</p> <p>Logistics and Supply Chan Management: Creating Value added Networks Martin Christopher, FT Prentice-Hall, 2005</p> <p>Business Logistics Management, 5e</p>				

R.H. Ballou, Prentice-Hall International, 1999

Suggested Readings:

Supply Chain Management: A Managerial approach,
Amit Sinha and Herbert Kotzas, Tata Mc-Graw Hill, 2012

Supply Chain Management: Strategy, Planning and Operation
Sunil Chopra, Peter Meindl, D V Kalra, Pearson Education, June 2016

Supply Chain Management: From Vision to Implementation
Stanley E. Fawcett, Lisa M. Ellram and Jeffrey E. Ogden, Pearson Education, 2008

Supply Chain Management: Text and Cases
Janat Shah, Pearson Education India, 2009

Journals for advanced studies

International Journal of Physical Distribution and Logistics Management, Emerald publications.

Supply Chain Management: An International Journal, Emerald Publications.

Supply Chain Management Review, SCMR, American Learning centre

Journal of Supply Chain Management, Wiley Publications

Decision Science, Wiley Publications

Additional information (if any)

Student responsibilities

Course reviewers:

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