

TMS – 505: CARGO MANAGEMENT AND LOGISTICS OPERATIONS

Credits: 3

Course Objectives:

1. To familiarize management of Logistic and cargo Operations
2. To analyze, plan, implement and controlling the physical flows of materials and finished goods from point of origin to the point of consumption.
3. To discuss efficient operations of logistics and develop strategy to reach goals of cost reduction and enhance customer service.
4. To familiarize management of cargo in different modes of transportation
5. To study various documents used in import and export of goods.
6. To understand the fundamentals of Logistics and supply chain Management.
7. To provide the participants with a good knowledge on Export trade, types of trades, formalities for trade, legalities of export trade and the documentation process of it.

Course Outcomes:

- CO1:** Imparting theoretical knowledge on logistics and air cargo management.
- CO2:** Summarize various activities of logistics & identify how it will help to satisfy the end customers.
- CO3:** Discuss about the importance of logistics & its role in the global level.
- CO4:** Understand the relationship between integrated logistics and supply chain management.
- CO5:** Examine various trends in Logistics & Supply Chain Management and role of Logistics service providers.
- CO6:** Explain the importance of containerization in logistics operations.
- CO7:** Determine the exchange rates and develop an understanding on the functioning of foreign exchange in logistics.

Pedagogy: Lectures, Seminars, Assignments and Field visit to logistics and customs department.

UNIT I Concept of Logistics: - Introduction, Definition, Objectives, Importance and Evolution of Logistic, Marketing of Logistic, Elements of logistic, Logistics Mix, Logistics in organised Retail in India-Forms of Logistic management.

UNIT II Integrated Logistics And Supply Chain Management - Introduction to Supply chain management - Definition, objectives -functions of Supply chain and drivers, Logistical Competency, Network design inventory, Ware Housing Material Handling and Packaging, Barriers to Internal Logistic, Third party logistics industry overview - A framework for strategic alliances - Evolution of contract logistics - Types of third party logistics providers.

UNIT III Logistic Transportation – Introduction, Types, Functions, Legal classification of carrier-Sea trade-Role of ocean transport-various modes of transports and its merits and demerits- Introduction inland waterways in India-development of coastal shipping-nature and scope – inland waterways - Importance in India- waterways for logistics and supply chain management vessel safely on the Inland Waterways. Inland container depot, Roles and

functions of ICDS, CONCOR Documents and formalities in international sea cargo movement such as mate receipt, Bill of lading, bill of exchange.

UNIT IV Containerization: - Introduction, A Freight Container, Classification, Benefits. Multi-modalism, - meaning, Role of Distribution in Supply chain, Distribution channels – Functions

UNIT V: Material Handling and Warehousing: Introduction, Objectives, Concept of Material Handling, Objectives of material handling, Principles of material handling-warehousing-Introduction, Objectives, Concept of Warehousing, Need for warehousing management, Evolution of warehousing, Functions of Warehouses, Types of Warehouses

UNIT VI Air Freight Operations - History- Definition- Cargo agents- Cargo flights- Customs airports and airport facilities-, Tariff Structure. Marking and labeling Boxes- Air Cargo: –Do's and Don'ts in Air Cargo Business - General Cargo, Live Animals, Dangerous Goods, Precious Cargo, Coffins – Documentation and process involved in air cargo handling- Airway Bill, Shippers letter of Instruction, Letter of credit, Export license, Commercial invoice, Letter of Origin and documents required as per the nature of goods. Air Cargo rates- advantages of Air Cargo.

References:

1. Allan C. Shapiro (2014), Multinational Financial Management, Wiley Publications.
2. Bibek Debroy, the convertible Rupee & how to profit from it, Global Business Press
3. C. Jeevanandam, Foreign Exchange & Risk Management, S. Chand & Sons, New Delhi.
4. Manoj Dixit (2007), Cargo Management: Global Perspectives
5. Mark Rowbotham (2014), Introduction to Marine Cargo Management,
6. Paul Schonsleben Integral Logistic Management.
7. Reji Ismail, Logistic Management, Excel Book Publishers.
8. Reza Farahni, Leleh Kadar, Logistic Operations and Management.
9. Sathish C Allawadi, P.Prakash Singh Logistic Management.
10. T.A.S. Balagopal, Export Management, Himalaya Publications
11. Vinod V. Sople (2012), Logistics Management, Pearson India Publications.