

OTM-813 Global Logistics and Transportation

1. Supply Chains can no longer be viewed in a local context alone. They are increasingly globalizing their operations and require global savvy managers. This course seeks to give students an understanding of the management of international freight, including freight forwarding, airfreight and ocean shipping, risk, relevant laws and international cultures. The course will discuss underlying drivers of international trade flows and the demand for capacity in different freight transport modes, as well as industry structure, regulatory environment (customs, etc.) and market access. Building on this background the course will highlight the implications for profitable air cargo and shipping operations. Particular focus will be given to fleet and network planning, revenue and cost management. The material covered in the course will take into account recent developments in global and regional economic activity and discuss implications for the various sectors of the air, sea and intermodal freight businesses. This course covers operators, customers and investors perspectives and strategies and intermodal freight businesses.

Content

2. Topics covered in this subject are an introduction to the term logistics and what it encompasses, the difference between logistics and SCM, The three major areas of logistics including inventory, transportation & warehousing, Customer service level, Safety of workers and work environment, security of logistics, strategic policy decisions in logistics, logistics optimization using modeling & simulation, key performance indicators and their alignment with organizations goals. An emphasis will be made to cover global aspect of trade and freight management including INCOTERMS ® and free trade pacts and tax free zones and geographical & geo political aspects of international commerce.

3. **Objectives**

- a. Global socio-economic, ethical, legal, and cultural dynamics
- b. Identify and calculate international logistics cost drivers.
- c. Understand the key activities that differentiate local business practices from foreign countries and how they affect logistics decisions.
- d. Identify key performance indicators (KPI's) that correctly evaluate global supply chain systems.
- e. Understand how interruptions in the global supply chains affect business and how to minimize the negative effects.

Outcomes

4. Upon successful completion of this course, students should be able to:
 - a. Assess the role logistics plays in global business.
 - b. Recognize the importance of culturally appropriate behaviour when dealing with international customers, projects and transport
 - c. Compare and contrast the economic and service characteristics of international transportation providers
 - d. Evaluate the impact of regional trade agreements, such as SAARC, BRICS and the WTO have on international logistics.
 - e. Research regulatory requirements and current legislation that affects the movement of products or services across international borders.
5. **Text and reference books**
 - a. Global Logistics and Supply Chain Management (2016) by John Mangan, Chandra Lalwani, Chandra L. Lalwani
 - b. Introduction to Global Logistics: Delivering the Goods (2016) by John Manners-Bell

Additional readings from case studies and journal articles