

LOG206 Transport Management and Technology

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

Transport moves goods and services in the geo-spatial dimension as they make their way from point of origin to point of consumption. This course provides the students with an understanding of the concepts and applications for managing freight transport operations (especially via land, air, sea and intermodal modes) in the era of industry transformation and supply chain disruption. Effective transport management ensures the smooth flow of goods across complex global supply chains. Efficient transport operations minimise delivery costs so that goods are affordable in multiple markets. Students will gain the skillsets needed to keep pace with technological changes and evolving job demands.

Topics:

- Global Supply Chains: The Role and Importance of Transport
- Transport and the Economy
- Transport Modes: Land, Air, Sea and Intermodal
- Global Transport Management
- Transport Route and Schedule Planning
- Optimisation of Transport Operations
- Transport Innovations
- Data Analytics for Transport Decision-Making
- Third Party Logistics
- Transport Risk Management
- Pricing for Transport
- Transport Issues and Challenges

Textbooks:

Novack, R.A., Gibson, B.J., Suzuki, Y. and Coyle, J.J.: Transportation: A Global Supply Chain Perspective 9 Cengage
ISBN-13: 9789814844963

Learning Outcome:

- Explain the importance of transport in global supply chains and the economy.
- Apply the transport processes to move global freight effectively.
- Examine the techniques for optimising transport operations.
- Review the innovations that enable efficiencies in transport operations.
- Show how third-party logistics providers support the transport industry and how transport risks can be managed.
- Discuss the issues and challenges facing transport in the 21st century.

Assessment Strategies (Daytime Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-COURSE QUIZ 1	2
	PRE-COURSE QUIZ 2	2
	PRE-COURSE QUIZ 3	2
	TUTOR-MARKED ASSIGNMENT 1	18
	GROUP BASED ASSIGNMENT 1	20
	PARTICIPATION 1	6
Overall Examinable Components	Written Exam	50
Total		100

Assessment Strategies (Online Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	PRE-COURSE QUIZ 1	2
	DISCUSSION BOARD 1	10
	GROUP BASED ASSIGNMENT 1	10
	PARTICIPATION 1	6
	TUTOR-MARKED ASSIGNMENT 1	18
Overall Examinable Components	Written Exam	50
Total		100