

LOG359e Selected Topics in Logistics and Supply Chain Management

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

E-Learning: BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

Synopsis:

The aim of this course is to expose students to the breadth and depth of logistics and supply chain management. The discussion covers topics such as supply chain integration, coordinated product and supply design, global logistics and risk management, value of information, distribution and collaborative replenishment strategies, and reverse logistics. Using relevant case studies, the course gives students insights into the issues and topics facing the logistics and supply chain industry.

Topics:

- Push, Pull and Push-Pull Supply Chains
- Demand-Driven Strategies and E-Fulfilment
- Strategies in New Product Development
- Design for Logistics
- Global Logistics and Risks
- Risk Management
- Information and the Bullwhip Effect
- Coping with the Bullwhip Effect
- Distribution Strategies
- Collaborative Replenishment Strategies
- Reverse and Service Logistics
- Reverse Logistics Considerations

Textbooks:

David Simchi-Levi, Philip Kaminsky & Edith Simchi-Levi: Design and Managing the Supply Chain: Concepts, Strategies and Case Studies 3rd edition McGraw-Hill
ISBN-13: 9780071270977

Learning Outcome:

- Apply the framework for matching products and industries with supply chain strategies.
- Propose feasible solutions that leverage on coordinated product and supply chain design.
- Discuss the strategies that can help manage the risks associated with global supply chains.
- Examine information sharing as a strategy to cope with the bullwhip effect and its challenges.
- Appraise the distribution strategies and partnerships that can be used to manage the supply chain more effectively.
- Plan feasible solutions in specialised areas of logistics.
- Relate the strategies and techniques in logistics and supply chain management to the work environment.
- Develop the essential knowledge and interpersonal skills to work effectively in a team.
- Demonstrate written proficiency.

Continuous Assessment Component	Weightage (%)
PRE-COURSE QUIZ	2
PRE-COURSE QUIZ	2
PRE-COURSE QUIZ	2
PARTICIPATION	6
GROUP BASED ASSIGNMENT	38
Sub-Total	50

Examinable Component	Weightage (%)
Written Exam	50
Sub-Total	50

Weightage Total **100**