

LOG367 Logistics for Large-Scale Operations

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

Logistics is an essential service to support large-scale operations such as National Day Parade, major sports events, military operations, emergency response to crisis situations and humanitarian work which can have major impact on society and the economy. In view of the unique characteristics of such large-scale operations, specialised logistics is required to facilitate the movement of essential supplies, positioning of critical stock and mobilisation of resources. LOG367 Logistics for Large-Scale Operations aims to equip students with insights and understanding of the role of logistics for large-scale operations, drawing reference from applications in the military operations context as well as public events. The course will examine the key challenges and considerations in managing logistics for large-scale operations as well as the impact of technological innovations and sustainable initiatives.

Topics:

- Nature of Large-Scale Operations
- Critical Functions of Logistics for Large-Scale Operations
- Operational Logistics
- Forecasting and Resource Planning
- Sourcing and Contracting
- Information Management
- Logistics Network Models
- Cross-Borders Logistics
- Risk Management and Contingency Planning
- Cold Chain and Essential Supplies Management
- Technology and Innovation
- Sustainability and Green Logistics

Learning Outcome:

- Show the nature and critical functions of logistics for large-scale operations.
- Differentiate various operational logistics planning techniques for large-scale operations.
- Criticise various approaches of sourcing, contracting and managing information for large-scale operations.
- Apply various models of logistics network optimisation and cross-borders logistics for large-scale operations.
- Appraise techniques to assess risks as well as to manage the cold chain and essential supplies for large-scale operations.
- Examine the technological innovations and green initiatives for large-scale operations.

Assessment Strategies (Daytime Class):

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