



Logistics And Distribution Management

Course Venue: Turkey - Istanbul

Course Date: From 25 Jul 2021 To 19 Aug 2021

Course Place: Taksim Square

Course Fees: 22200 GBP



Objectives

On completion of this course you should be able to:

- Gain a broad knowledge of supply chain segmentation, air transport, maritime transport and outsourcing, there is detailed
- Discuss the latest trends and issues that confront logistics in details.
- Improve service and reduce cost, as well as recognize the many different facets of logistics and the supply chain.
- Understand various issues on logistics and distribution; planning and logistics; procurement and inventory decisions
- Explain the concepts of warehousing and storage, freight transport and operational management.

Course Outline

Module 1: Concepts Of Logistics And Distribution

Introduction To Logistics And Distribution

- Scope and definition
- Historical perspective
- Importance of logistics and distribution
- Logistics and supply chain structure

Integrated Logistics And The Supply Chain

- The total logistics concept
- Planning for logistics
- The financial impact of logistics
- Globalization and integration
- Integrated systems
- Competitive advantage through logistics
- Logistics and supply chain management

Customer Service And Logistics

- The importance of customer service
- The components of customer service
- Two conceptual models of service quality
- Developing a customer service policy
- Levels of customer service
- Measuring customer service
- The customer service explosion

Channels Of Distribution

- Physical distribution channel types and structures
- Channel selection
- Outsourcing channels

Key Issues And Challenges For Logistics And The Supply Chain



- The external environment
- Manufacturing and supply
- Logistics and distribution
- Retailing
- The consumer

Module 2: Planning For Logistics

Planning Framework For Logistics

- Pressures for change
- Strategic planning overview
- Logistics design strategy
- Product characteristics
- The product life cycle
- Packaging
- Unit loads

Logistics Processes

- The importance of logistics processes
- Logistics process types and categories
- Approach
- Tools and techniques

Supply Chain Segmentation

- Product segmentation
- Demand and supply segmentation
- Marketing segmentation
- Combined segmentation frameworks
- Implementation

Logistics Network Planning

- The role of distribution centers and warehouses
- Cost relationships
- A planned approach or methodology
- Initial analysis and option definition
- Logistics modeling: logistics option analysis
- Evaluate results: matching logistics strategy to business strategy
- Practical considerations for site search

Logistics Management And Organization

- Relationships with other corporate functions
- Logistics organizational structures
- Organizational integration
- The role of the logistics or distribution manager
- Payment schemes
- The selection of temporary staff and assets

Multichannel Fulfillment

- Issues



- Food retailing
- Non-food retailing

Manufacturing Logistics

- Typology of operations
- Just-in-time
- Manufacturing resource planning (MRP II)
- Material requirements planning (MRP)
- The MRP system
- Flexible fulfillment (postponement)
- The effects of distribution activities
- Future developments

Module 3: Procurement And Inventory Decisions

Basic Inventory Planning And Management

- The need to hold stocks
- Types of stockholding/ inventory
- Stockholding policy implications for other logistics functions
- Inventory costs
- Reasons for rising inventory costs
- Inventory replenishment systems
- The reorder point and safety stock
- The bullwhip effect
- The economic order quantity
- Demand forecasting

Inventory And The Supply Chain

- Problems with traditional approaches to inventory planning
- Different inventory requirements and the 'decoupling point'
- The lead-time gap
- Inventory and time
- Analyzing time and inventory
- Inventory planning for manufacturing
- Inventory planning for retailing

Procurement And Supply

- The procurement cycle
- The scope of procurement
- Setting the procurement objectives
- Managing the suppliers
- Expediting
- Procurement performance measures
- Collaborative planning, forecasting and replenishment
- Factory gate pricing
- E-procurement
- Corruption

Module 4: Warehousing And Storage

Principles Of Warehousing



- The role of warehouses
- Strategic issues affecting warehousing
- Warehouse operations
- Costs
- Packaging and unit loads

Storage And Handling Systems (Palletized)

- Pallet movement
- Pallet stacking
- Palletized storage
- Palletized storage - comparison of systems

Storage And Handling Systems (Non-Palletized)

- Small item storage systems
- Truck attachments
- Long loads
- Cranes
- Conveyors
- Automated guided vehicles
- Hanging garment systems

Order Picking And Packing

- Order picking concepts
- Order picking equipment
- Sortation
- Picking area layout
- Slotting
- Pick routes
- Information in order picking
- E-fulfillment
- Picking productivity
- Replenishment
- Packing

Receiving And Dispatch

- Receiving processes
- Dispatch processes
- Cross-docking
- Returned goods
- Receiving and dispatch equipment
- Layouts

Warehouse Design

- Design procedure

Warehouse Management And Information

- Operational management
- Performance monitoring
- Information technology



- Data capture and transmission
- Radio data communication
- Truck management

Module 5: Freight Transport

International Logistics: Modal Choice

- Relative importance of the main modes of freight transport
- Method of selection
- Operational factors
- Transport mode characteristics
- Consignment factors
- Cost and service requirements
- Aspects of international trade

Maritime Transport

- Structure of the industry
- Common shipping terms
- Surcharges
- Documentation
- Vessel classification
- Common ship types and their cargoes
- Ports and cargo handling
- Other factors

Air Transport

- Structure of the industry
- Air cargo handling
- Types of air freighter
- Documentation
- Air hubs and spokes
- Air freight pricing
- Air cargo security

Rail And Intermodal Transport

- Intermodal equipment
- Intermodal vehicles
- Intermodal infrastructure
- Mode shift grant schemes
- Rail transport

Road Freight Transport: Vehicle Selection

- Main vehicle types
- Types of operation
- Load types and characteristics
- Main types of vehicle body
- The wider implications of vehicle selection
- Vehicle acquisition

Road Freight Transport: Vehicle Costing



- Reasons for road freight transport vehicle costing
- Key aspects of road transport costing
- Vehicle standing costs
- Vehicle running costs
- Overhead costs
- Costing the total transport operation
- Whole life costing
- Vehicle cost comparisons
- Zero-based budgets

Road Freight Transport: Planning And Resourcing

- Need for planning
- Fleet management
- Main types of road freight transport
- Transport resources: requirements and optimization
- Vehicle routeing and scheduling issues
- Manual methods of vehicle routeing and scheduling
- Computer routeing and scheduling
- Other road-freight transport information systems applications

Module 6: Operational Management

Cost And Performance Monitoring

- Why monitor?
- Different approaches to cost and performance monitoring
- What to measure against?
- A logistics operational planning and control system
- Good practice
- Influencing factors
- Detailed metrics and KPIs
- The presentation of metrics

Benchmarking

- Why should an organization engage in benchmarking?
- How to conduct a benchmarking exercise
- Formal benchmarking systems
- Benchmarking distribution operations

Information And Communication Technology In The Supply Chain

- Basic communication
- Supply chain planning
- Warehousing
- Inventory
- Transport
- Other applications
- Trading using the internet - E-Commerce

Outsourcing: Services And Decision Criteria

- Outsourcing operations
- Different service types



- Value added services
- Drivers and drawbacks of outsourcing
- What are the critical factors of choice?

Outsourcing: The Selection Process

- Approach
- Detailed steps

Outsourcing Management

- The need for management
- Managing the relationship
- Implementation planning
- Monitoring an outsourced logistics operation

Security And Safety In Distribution

- International security measures
- Strategic security measures
- Tactical security measures
- Safety in the distribution centre and warehouse

Logistics And The Environment

- The European Union and environmental legislation
- Logistics and environmental best practice
- Alternative fuels

Humanitarian Logistics

- Key differences
- Performance measurement
- Key terms
- Pre-positioning of resources
- Assessment and planning
- The cluster approach
- Distribution