Mastering Inventory and Supply Chain Management Essentials

2027 □□□□□□□ 1 – □□□□□□□ 27
Barcelona (Spain)

UK Traininig
PARTNER



Mastering Inventory and Supply Chain Management Essentials

Ref: 20220308_224916 Date: 27 Location: Barcelona (Spain) Fees: 5200 GBP

Course Description

This comprehensive 1-week course provides a deep dive into inventory and supply chain management principles and practices. Participants will gain practical skills in demand forecasting, inventory control, supply chain optimization, and performance measurement. Through case studies and hands-on exercises, attendees will learn to implement strategies that drive operational efficiency and cost savings.

Learning Objectives

- Develop accurate demand forecasts using quantitative and qualitative methods
- Implement effective inventory control policies to optimize stock levels
- Design and manage efficient supply chain networks
- Apply performance metrics to measure and improve supply chain operations
- Utilize technology and data analytics to enhance supply chain visibility and decision-making
- Develop strategies for mitigating supply chain risks and disruptions

Course Modules

Day 1: Foundations of Inventory Management

- Inventory types and costs
- Economic Order Quantity EOQ model
- Safety stock and service levels
- ABC analysis and cycle counting

Day 2: Demand Forecasting and Planning

- Qualitative and quantitative forecasting methods
- Time series analysis and regression models
- Collaborative planning, forecasting, and replenishment CPFR
- Demand sensing and shaping techniques

Day 3: Supply Chain Network Design and Optimization

- Network modeling and facility location
- Transportation mode selection and route optimization
- Inventory positioning and postponement strategies
- Supply chain cost trade-offs and analysis



Day 4: Supply Chain Technology and Analytics

- Enterprise Resource Planning ERP systems
- Warehouse Management Systems WMS
- Transportation Management Systems TMS
- Supply chain analytics and business intelligence
- Emerging technologies IoT, blockchain, AI

Day 5: Supply Chain Performance and Risk Management

- Key Performance Indicators KPIs for supply chain management
- Balanced scorecard approach
- Supply chain risk identification and mitigation strategies
- Sustainable and resilient supply chain practices
- Continuous improvement methodologies

Practical Wins for Participants

- Reduce inventory carrying costs by 15-20% through improved forecasting and stock optimization techniques
- Increase perfect order fulfillment rates by 10% using enhanced supply chain visibility and coordination
- Achieve 5-10% reduction in transportation costs through network optimization and mode selection strategies
- Develop a customized supply chain performance dashboard to drive data-driven decision making in your organization

