

# **Materials Management & Inventory Control: Optimize Supply Chain**

Supply Chain & Logistics  
Barcelona (Spain)  
07 - 11 Jul 2025

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## **Materials Management & Inventory Control: Optimize Supply Chain**

**Ref:** 3005\_127991 **Date:** 07 - 11 Jul 2025 **Location:** Barcelona (Spain) **Fees:** 4400 **Euro**

### **Course Description**

This intensive 5-day course provides a comprehensive understanding of materials management and inventory control principles. Participants will learn strategies to optimize stock levels, improve inventory accuracy, and enhance overall supply chain performance. The course covers key concepts, practical techniques, and best practices in materials management.

### **Learning Objectives**

- Understand the fundamentals of materials management and inventory control
- Develop strategies to optimize inventory levels and reduce carrying costs
- Learn techniques for accurate forecasting and demand planning
- Implement effective warehouse management and stock control practices
- Analyze and improve inventory performance using key metrics
- Align materials management with overall supply chain strategy

### **Course Modules**

#### **Day 1: Introduction to Materials Management**

- Overview of materials management and its importance
- Key components of the supply chain
- Inventory types and their roles
- Cost factors in materials management

#### **Day 2: Inventory Control Techniques**

- ABC analysis and inventory classification
- Economic Order Quantity EOQ model
- Safety stock and reorder point calculations
- Just-In-Time JIT and lean inventory management

#### **Day 3: Demand Forecasting and Planning**

- Forecasting methods and techniques
- Demand planning and inventory replenishment
- Managing demand variability
- Collaborative planning, forecasting, and replenishment CPFR

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The pieces are arranged on a checkered board with concentric circles in the background.

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## **Day 4: Warehouse Management and Stock Control**

- Warehouse layout and design principles
- Inventory accuracy and cycle counting
- Barcode and RFID technologies
- Warehouse Management Systems WMS

## **Day 5: Performance Measurement and Optimization**

- Key Performance Indicators KPIs for inventory management
- Inventory turnover and days of supply
- Cost reduction strategies
- Continuous improvement in materials management

## **Practical Wins for Participants**

- Develop a customized inventory optimization plan for your organization
- Create accurate demand forecasts using industry-standard techniques
- Implement an effective cycle counting program to improve inventory accuracy
- Design a performance measurement dashboard for materials management

A graphic of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight nearby. In the background, there are concentric circles emanating from a point, suggesting a strategic or analytical theme.

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