Advanced Warehousing Management: Optimizing Operations

6 – 10 September 2027
Barcelona (Spain)



Advanced Warehousing Management: Optimizing Operations

Ref: 323093_225082 **Date:** 6 – 10 September 2027 **Location:** Barcelona (Spain) **Fees:** 5200 GBP

Course Description

This comprehensive 1-week course equips warehouse professionals with advanced skills to optimize operations, implement cutting-edge technologies, and drive efficiency in modern warehousing. Participants will learn strategies for layout optimization, inventory control, automation integration, and performance measurement to enhance productivity and reduce costs.

Learning Objectives

- Develop advanced warehouse layout and space optimization techniques
- Implement efficient inventory control and stock management strategies
- Integrate automation and technology solutions in warehouse operations
- Analyze and improve warehouse performance using key metrics
- Apply lean principles and continuous improvement methodologies
- Enhance safety, compliance, and sustainability in warehouse management

Course Modules

Day 1: Advanced Warehouse Design and Layout

- Principles of efficient warehouse layout
- Space utilization strategies and vertical storage systems
- Optimizing product flow and picking routes
- Warehouse simulation and modeling techniques

Day 2: Inventory Control and Stock Management

- Advanced inventory classification and ABC analysis
- Just-in-Time JIT and cross-docking strategies
- Cycle counting and perpetual inventory systems
- Demand forecasting and inventory optimization

Day 3: Warehouse Automation and Technology

- Automated Storage and Retrieval Systems AS/RS
- Robotics and AGVs in warehouse operations
- Warehouse Management Systems WMS integration
- RFID and IoT applications in warehousing



Day 4: Performance Metrics and Continuous Improvement

- Key Performance Indicators KPIs for warehouse operations
- Lean warehousing principles and waste reduction
- Six Sigma methodologies in warehouse management
- Benchmarking and best practices implementation

Day 5: Safety, Compliance, and Sustainability

- Advanced safety protocols and risk management
- Regulatory compliance in warehouse operations
- Green warehousing practices and energy efficiency
- Future trends in sustainable warehouse management

Practical Wins for Participants

- Develop a strategic warehouse layout plan to increase efficiency by 20%
- Implement an inventory control system that reduces carrying costs by 15%
- Create a roadmap for warehouse automation, projecting a 30% increase in productivity
- Design a performance measurement framework to drive continuous improvement

