Master Logistics & Operations Fundamentals: 10-Day Course

13 – 24 September 2027
Madrid

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Ref: 103600549_73314 **Date:** 13 – 24 September 2027 **Location:** Madrid **Fees:** 10000 Euro

Course Overview:

The Logistics & Operations Management Fundamentals Training Course is a comprehensive, entry-level program designed to develop practical capabilities in Logistics Management, Operations Management, and Supply Chain Management. This course provides a structured learning journey from core concepts to advanced applications, enabling participants to understand how organizations plan, control, and optimize the flow of goods, services, and information.

Participants will explore key areas such as Logistics Fundamentals, Supply Chain Fundamentals, Operations Management Basics, warehousing, transportation, procurement, and distribution. The program highlights how logistics acts as a critical link between suppliers, production, and customers, ensuring efficiency, cost optimization, and service excellence.

In addition, the course explains how Operations Management transforms inputs into outputs through planning, coordination, and resource utilization, supporting organizational performance and competitiveness. It also emphasizes real-world applications through practical case studies, allowing participants to connect theory with operational challenges.

This Logistics and Operations Management Training Course is ideal for beginners and professionals seeking a Practical Logistics and Operations Management Course that delivers measurable, workplace-ready skills.

Target Audience:

- Entry-level logistics and supply chain professionals
- Operations assistants and coordinators
- Warehouse and inventory staff
- Procurement and purchasing officers
- Junior planners and supply chain analysts
- Team leaders and supervisors
- Professionals transitioning into logistics and operations

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Targeted Organizational Departments:

- Logistics and Transportation
- Supply Chain and Procurement
- Warehouse and Inventory Management
- Operations and Production
- Distribution and Fulfillment
- Planning and Demand Management
- Customer Service and Order Processing

Targeted Industries:

- Oil & Gas and Energy
- Manufacturing and Industrial Operations
- Retail and E-commerce
- FMCG and Distribution
- Healthcare and Pharmaceuticals
- Aviation and Transportation
- Government and Public Sector

Course Offerings:

By the end of this course, participants will be able to:

- Define and apply Logistics Management and Operations Management principles
- Explain Supply Chain Fundamentals and logistics network structures
- Analyze logistics flows from supplier to customer
- Apply Operations Management Basics to improve efficiency
- Manage inventory, warehousing, and transportation operations
- Evaluate logistics performance using KPIs and cost metrics
- Support supply chain planning and coordination
- Identify risks and inefficiencies in logistics systems
- Apply problem-solving techniques in operations
- Develop actionable improvement plans for logistics and operations

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Training Methodology:

This course is delivered using a highly interactive and practical approach designed for adult learners and corporate professionals. The methodology integrates theoretical understanding with real-world application to ensure measurable learning outcomes.

Participants will engage in case studies, simulations, and group discussions to analyze logistics networks and operations processes. Real-life scenarios will be used to demonstrate how logistics integrates materials, information, and financial flows across the supply chain.

Workshops and exercises will allow participants to apply Supply Chain Fundamentals and Operations Management concepts, including demand planning, inventory control, and transportation optimization. Group activities will simulate operational decision-making and problem-solving.

Continuous feedback, peer learning, and instructor guidance will ensure participants can confidently apply Logistics and Operations Management skills in their workplace.

Course Toolbox:

- Supply chain mapping frameworks
- Logistics process flow diagrams
- Inventory control models
- Warehouse layout examples
- Transportation planning templates
- KPI and performance measurement dashboards
- Case studies and real-world scenarios

Note: Tools are not physically provided; participants receive practical insights and applied examples.

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Course Agenda

Day 1: Foundations of Logistics & Operations Management

- **Topic 1:** Introduction to Logistics Management and Operations Management
- **Topic 2:** Supply Chain Management Overview
- **Topic 3:** Logistics Fundamentals and Supply Chain Basics for Beginners
- **Topic 4:** Role of logistics in business operations
- **Topic 5:** Operations Management Basics and process design
- **Topic 6:** Key logistics terminology and concepts
- **Reflection & Review:** Understanding logistics and operations in real organizations

Day 2: Supply Chain Structure and Flow

- **Topic 1:** Supply Chain Fundamentals and structure
- **Topic 2:** Flow of goods, information, and finances
- **Topic 3:** Internal vs external logistics
- **Topic 4:** Supply chain coordination and integration
- **Topic 5:** Customer demand and service levels
- **Topic 6:** Value creation through logistics
- **Reflection & Review:** Mapping supply chain processes

Day 3: Procurement and Sourcing

- **Topic 1:** Procurement fundamentals
- **Topic 2:** Supplier selection and evaluation
- **Topic 3:** Purchasing processes and policies
- **Topic 4:** Supplier relationship management
- **Topic 5:** Cost analysis in procurement
- **Topic 6:** Ethical and sustainable sourcing
- **Reflection & Review:** Improving procurement strategies

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Day 4: Inventory Management

- **Topic 1:** Inventory management fundamentals
- **Topic 2:** Types of inventory and stock control
- **Topic 3:** Demand forecasting basics
- **Topic 4:** Inventory cost and optimization
- **Topic 5:** Safety stock and reorder points
- **Topic 6:** Inventory performance metrics
- **Reflection & Review:** Optimizing inventory systems

Day 5: Warehousing and Storage

- **Topic 1:** Warehouse management fundamentals
- **Topic 2:** Warehouse layout and design
- **Topic 3:** Storage systems and equipment
- **Topic 4:** Material handling processes
- **Topic 5:** Order picking and packing
- **Topic 6:** Warehouse safety and efficiency
- **Reflection & Review:** Improving warehouse operations

Day 6: Transportation and Distribution

- **Topic 1:** Transportation management principles
- **Topic 2:** Modes of transportation
- **Topic 3:** Route planning and optimization
- **Topic 4:** Distribution strategies
- **Topic 5:** Delivery performance metrics
- **Topic 6:** Transportation cost management
- **Reflection & Review:** Enhancing distribution efficiency

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Day 7: Operations Management and Process Improvement

- **Topic 1:** Operations planning and control
- **Topic 2:** Process analysis and mapping
- **Topic 3:** Lean operations principles
- **Topic 4:** Continuous improvement techniques
- **Topic 5:** Quality management basics
- **Topic 6:** Waste reduction strategies
- **Reflection & Review:** Applying process improvement tools

Day 8: Logistics Technology and Digital Transformation

- **Topic 1:** Introduction to logistics technologies
- **Topic 2:** Warehouse management systems WMS
- **Topic 3:** Transportation management systems TMS
- **Topic 4:** Digital supply chains and automation
- **Topic 5:** Data analytics in logistics
- **Topic 6:** Future trends in logistics and operations
- **Reflection & Review:** Leveraging technology in logistics

Day 9: Risk Management and Performance Measurement

- **Topic 1:** Risk management in supply chains
- **Topic 2:** Identifying logistics risks
- **Topic 3:** Mitigation strategies
- **Topic 4:** Key performance indicators KPIs
- **Topic 5:** Cost vs service trade-offs
- **Topic 6:** Performance evaluation frameworks
- **Reflection & Review:** Measuring logistics success

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Day 10: Practical Applications and Strategic Planning

- **Topic 1:** Real-world logistics case study
- **Topic 2:** Problem-solving in logistics operations
- **Topic 3:** Supply chain optimization techniques
- **Topic 4:** Strategic logistics planning
- **Topic 5:** Action plan development
- **Topic 6:** Final project presentation
- **Reflection & Review:** Building a workplace implementation roadmap

FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

No prior experience is required. This course is designed as an Entry Level Logistics Course suitable for beginners and professionals transitioning into logistics and operations roles.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4–5 hours, with breaks and interactive activities included. The total course duration spans ten days, approximately 40–50 hours of instruction.

What is the difference between logistics management and operations management?

Logistics management focuses on the movement and storage of goods, while operations management focuses on managing processes that transform inputs into outputs. Both functions work together to ensure efficiency and performance.

How This Course is Different from Other Courses:

This course goes beyond a typical Introductory Logistics Course by combining Logistics Management, Operations Management, and Supply Chain Management into a unified, practical framework. It is designed not only to explain concepts but to ensure participants can apply them directly in real workplace environments.

Unlike standard beginner programs, this course emphasizes hands-on learning, real-world case studies, and measurable outcomes. Participants gain a clear understanding of how logistics connects procurement, production, warehousing, and distribution into one integrated system.

The course also bridges the gap between theory and application, making it a Practical Logistics and Operations Management Course tailored for corporate teams seeking immediate operational improvements and long-term performance impact.