



# Logistics & Operations Management Fundamentals

16 – 20 August 2027  
San Diego

## Logistics & Operations Management Fundamentals

**Ref:** 103600547\_105782 **Date:** 16 – 20 August 2027 **Location:** San Diego **Fees:** 14000 Euro

### Overview

Moving physical materials reliably from raw intake to final handover requires an understanding of facility workflows, transit lanes, and storage control. The Logistics & Operations Management Fundamentals course introduces foundational mechanics governing stockroom configurations, freight routing, and shop-floor throughput. Participants explore physical item movement, handling safety, order dispatch, and essential transformation cycles without unnecessary corporate jargon. This course is delivered by Agile Leaders Training Center.

### Who Should Attend

- New associates entering fulfillment depots, transit hubs, and production facilities.
- Stockroom coordinators and warehouse hands seeking formal knowledge of warehouse layout design and handling.
- Dispatch clerks, shipping coordinators, and freight expeditors organizing cargo movements.
- Junior material controllers managing intake inspections, stock tallies, and bin locations.
- Frontline workshop leads transitioning into facility oversight and throughput coordination.

### Targeted Departments and Industries

This foundational curriculum benefits practical teams across fast-paced industrial, wholesale, and retail environments.

- Depot and Storage Yards in Heavy Industrial Manufacturing
- Fulfillment Hubs and Cargo Terminals in Commercial Freight Forwarding
- Stockroom and Merchandising Groups in Wholesale FMCG Retailing
- Materials Handling and Assembly Units in Automotive and Equipment Plants
- Internal Stores and Transport Fleets in Municipal Public Works

### Learning Objectives

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

- Trace physical material paths through receiving, transformation, storage, and customer handover.
- Design functional warehouse layout schematics that minimize unnecessary touches and forklift travel.
- Calculate baseline stock replenishment thresholds using safety buffer parameters and lead-time data.
- Select appropriate freight transit modes based on consignment volume, speed, and handling constraints.

- Apply basic workflow balancing techniques to eliminate assembly and picking bottlenecks.
- Track day-to-day warehouse productivity using line-item accuracy, dock turnaround, and fulfillment rates.

## Course Agenda

### Day 1: Physical Material Flow and Facility Transformation

- Foundational concepts of throughput, physical intake, and item dispatch
- Input-process-output cycles in manufacturing and service depots
- Differentiating storage functions from line replenishment activities
- Core vocabulary of modern cargo handling and storage yards
- Mapping physical touchpoints from delivery dock to staging bays
- Identifying delays, bottlenecks, and idle inventory within the facility

### Day 2: Stockroom Mechanics and Storage Control

- Foundational stock categorization using fast, slow, and non-moving classifications
- Bin location assignment, rack labeling, and SKU identification systems
- Replenishment triggers: reorder points, minimum-maximum bands, and buffer reserves
- Conducting physical cycle counts and resolving stock discrepancy variances
- Storage density versus accessibility trade-offs in tight warehouse footprints
- Managing shelf-life expiry and physical deterioration in bulk stores

### Day 3: Warehouse Layout Design and Picking Workflows

- Layout design principles: aisle sizing, turning radii, and staging zones
- Directing one-way flow patterns to prevent forklift and pedestrian cross-traffic
- Picking methodologies: piece picking, zone picking, and batch consolidation
- Packing bench ergonomics, cartonization, and shipment manifest verification
- Material handling equipment selection: pallet jacks, reach trucks, and gravity rollers
- Facility housekeeping, fire egress clearance, and daily safety walk-throughs

### Day 4: Freight Transit and Transport Routing

- Comparative evaluation of road haulage, rail freight, air cargo, and ocean shipping
- Consignment packaging, palletizing standards, and cargo restraint methods
- Multi-drop route planning and driver dispatch sequencing
- Managing freight documentation: bills of lading, consignment notes, and delivery dockets
- Fuel cost factors, vehicle cube utilization, and backhaul coordination
- Handling transit delays, damage claims, and proof-of-delivery reconciliation



## **Day 5: Daily Workflow Optimization and Problem-Solving**

- Root-cause diagnostics for mispicked orders and delayed dock turnarounds
- Visual management tools: floor markings, shadow boards, and status boards
- Basic data capture methods using barcode scans and handheld mobile terminals
- Establishing daily frontline metrics: on-time dispatch, line fill, and damage rates
- Practical bottleneck resolution exercise on a simulated warehouse floor
- Constructing a workplace implementation checklist for depot improvements

## **Practical Exercises**

Participants engage in guided drills to solve common facility floor problems.

- Draft a revised storage floor plan repositioning fast-moving items closer to dispatch bays.
- Calculate reorder points and safety stock levels for critical spare parts using lead-time data.
- Audit a simulated multi-drop delivery manifest to optimize transit routing and vehicle payload.
- Perform a five-why root cause investigation on a recurrent order packing error.

## **FAQs**

### **What prior workplace background is expected for attendees?**

This foundational course is designed for entry-level associates, junior coordinators, and warehouse staff. No prior engineering degree or advanced analytical background is needed.

### **How is the daily schedule balanced across the 5 days?**

The five-day program delivers focused daily classroom modules combining illustrated instruction, layout mapping exercises, and floor simulations over four to five hours per day.

### **Does this course cover freight forwarding and customs regulations?**

The curriculum concentrates on physical transport modes, cargo handling, and routing mechanics. While shipping documentation is addressed, international customs compliance is covered in specialized trade courses.

## **How This Course Differs**

Unlike advanced supervisory or procurement courses, this program focuses entirely on frontline mechanics: warehouse layouts, inventory counts, packing lines, and transport dispatch. Participants gain practical floor-level competence that translates directly to efficient depot throughput.