

Logistics & Operations Management Fundamentals

4 – 8 January 2027
London

AGILE LEADERS
Training Center

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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 1 week?

The one-week 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.