



Mastering Operation Management: A Training Course for Manufacturing and Non-Manufacturing Sectors

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Cairo



AGILE LEADERS
Training Center



Mastering Operation Management: A Training Course for Manufacturing and Non-Manufacturing Sectors

Ref.: 36302_22562 **Date:** 12 - 16 May 2026 **Location:** Cairo **Fees:** 4100 **Euro**

Course Overview

The course is designed to provide complete knowledge and practical skills in operations management. This course covers essential concepts such as Operations Management, Production System, and Operations System Framework, aiming to enhance participants' understanding of various production techniques, including Job-Shop Production, Batch Production, Mass Production Techniques, and Continuous Production Management. Participants will learn about the objectives of production management, strategic operations management, and productivity improvement techniques. The course also delves into decision-making in operations, capacity planning, facility location planning, plant layout design, and demand forecasting methods.

Target Audience

- Operations Specialists
- Production Managers
- Manufacturing Supervisors
- Supply Chain Managers
- Quality Assurance Managers
- Business Analysts
- Industrial Engineers
- Management Consultants

Targeted Organizational Departments

- Operations and Production
- Supply Chain Management
- Quality Control
- Planning and Scheduling
- Materials Management
- Facility Management
- Strategic Planning
- Business Development

Targeted Industries

- Manufacturing
- Automotive
- Electronics
- Food and Beverage
- Pharmaceuticals
- Retail
- Logistics and Transportation
- Healthcare
- Service Industry
- Construction

Course Offerings

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

- Understand core operations management concepts.
- Differentiate between various production systems.
- Implement job-shop, batch, mass, and continuous production techniques.
- Develop strategic plans for production and operations.
- Apply productivity improvement techniques and international standards.
- Make informed decisions using advanced operations decision-making frameworks.
- Plan and manage capacity effectively.
- Optimize facility location and plant layout design.
- Forecast demand accurately using various methods.
- Develop and design products efficiently.
- Implement materials management strategies and inventory control techniques.
- Utilize just-in-time manufacturing and aggregate planning strategies.
- Master scheduling techniques and production scheduling.

Training Methodology

The training methodology for the course is a blend of theoretical and practical approaches designed to maximize learning and application. The course includes interactive lectures on key concepts such as Operations Management, Production Systems, and Strategic Planning for Production. Participants will engage in case studies that simulate real-world scenarios in manufacturing and non-manufacturing sectors. Group work sessions will foster collaboration and problem-solving skills, focusing on productivity improvement techniques and capacity planning.

Course Toolbox

- Workbooks with detailed notes on operations management concepts.
- Reading materials on international productivity standards and strategic operations management.
- Online resources and tutorials on production techniques and materials management strategies.
- Checklists and templates for facility location planning and plant layout design.



Course Agenda

Day 1: Operations Management Concepts

- **Topic 1:** Introduction to Operations Management
- **Topic 2:** Historical Development of Operations Management
- **Topic 3:** Concept of Production
- **Topic 4:** Production System Overview
- **Topic 5:** Classification of Production Systems
- **Topic 6:** Job-Shop Production Techniques
- **Reflection & Review:** Review key concepts and historical development

Day 2: Strategic Operations Management

- **Topic 1:** Batch Production Techniques
- **Topic 2:** Mass Production Techniques
- **Topic 3:** Continuous Production Management
- **Topic 4:** Objectives of Production Management
- **Topic 5:** Framework of Managing Operations
- **Topic 6:** Operations Management Objectives
- **Reflection & Review:** Discussion on strategic role and planning

Day 3: Productivity and Decision-Making

- **Topic 1:** Strategic Planning for Production and Operations
- **Topic 2:** Strategic Planning Approaches for Production/Operations
- **Topic 3:** Strategic Planning—Forced Choice Model
- **Topic 4:** A Strategic Planning Operations Model
- **Topic 5:** Modern Dynamic Concept of Productivity
- **Topic 6:** Factors Affecting Productivity
- **Reflection & Review:** Reflection on productivity improvement techniques

Day 4: Systems Design and Capacity Planning

- **Topic 1:** International Dimensions of Productivity
- **Topic 2:** The Environment of Operations
- **Topic 3:** Scope of Operations Management
- **Topic 4:** Decision-Making Under Uncertainty
- **Topic 5:** Decision-Making Under Risk
- **Topic 6:** Decision Support System
- **Reflection & Review:** Review decision-making frameworks and capacity planning



Day 5: Advanced Operations Management Techniques

- **Topic 1:** Economic Models in Operations
- **Topic 2:** Statistical Models in Operations Management
- **Topic 3:** Design and Systems Capacity
- **Topic 4:** Capacity Planning Process
- **Topic 5:** Importance of Capacity Decisions
- **Topic 6:** Facility Location Planning
- **Reflection & Review:** complete review of advanced techniques and course summary

How This Course is Different from Other Operations Management Courses

This course stands out due to its complete coverage and practical approach. Unlike other courses, it integrates in-depth knowledge of manufacturing and non-manufacturing operations, ensuring relevance across industries. The course emphasizes strategic operations management, productivity improvement techniques, and decision-making frameworks tailored to real-world applications. Participants benefit from a blend of theoretical concepts and hands-on exercises, including case studies and group work.

Training Course Categories



Finance and Accounting Training Courses



Agile PM and Project Management Training Courses



Certified Courses By International Bodies



Communication and Public Relations Training Courses



Data Analytics Training and Data Science Courses



Environment & Sustainability Training Courses



Governance, Risk and Compliance Training Courses



Human Resources Training and Development Courses



IT Security Training & IT Training Courses



Leadership and Management Training Courses



Legal Training, Procurement and Contracting Courses



Maintenance Training and Engineering Training Courses



Training Course Categories



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Oil & Gas Training and Other Technical Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses



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Zanzibar - Tanzania



**Zoom - Online
Training**

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



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