MERCURY

Advanced Material Expediting Course

30 August – 3 September 2027
Rome (Italy)



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Advanced Material Expediting Course

Ref: 15231_282183 **Date:** 30 August – 3 September 2027 **Location:** Rome (Italy) **Fees:** 6200 Euro

Introduction:

This advanced material expediting and acceleration course comprehensively covers the role and impact of logistics and supply chain management on an organization. It focuses on understanding supplier management in purchasing, transportation, and inventory models from a cost-efficient and optimization perspective.

This advanced material expediting and acceleration course allows delegates to practice and develop critical facets of advanced logistics and material expediting. It will enable them to manage international shipping systems and inventory strategically. Examples of global best practices are delivered throughout the training course to allow delegates to fully embed the learning and apply it within their roles upon returning to work.

What is a Material Expediter?

Material expediting refers to the strategic acceleration of the flow of materials to meet project timelines and production requirements. A material expediter ensures that all materials required for a project are delivered on time, which is crucial in maintaining project schedules and optimizing resource availability. This role often involves coordinating with suppliers, managing logistics, and troubleshooting any issues that may arise in the supply chain to avoid costly delays.

Targeted Groups:

- Senior Professionals in Logistics Functions.
- Purchasing, Warehouse, and Inventory Personnel.
- Financial and Materials Management Teams.

Course Objectives:

At the end of this advanced material expediting and acceleration course, participants will be able to:

- Appreciate and understand the implications of logistics and material acceleration on the organization's internal and external aspects.
- Apply the concepts of international logistics, freight procedures, and documentation.
- Understand the importance of adequate resource planning.
- Develop optimized work processes and financial areas such as cash flow, cost reduction, and management.
- Learn how to manage inventory utilizing selective inventory strategic policies effectively.
- Develop specific action plans to benefit their role and organization further.

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Targeted Competencies:

By the end of this advanced material expediting and acceleration training, participants' competencies will be able to:

- Process mapping of the Supply Chain and internal processes for optimized results.
- Manage risks and actions of both internal departments and external stakeholders.
- Explore the impact of advanced logistics management on the organization's financial resources and internal and external customer service.
- Integrate logistics forecasting with peak demands and resource planning to optimize cost-efficiency in managing inventory.
- Utilize inventory models to manage effectively and, where appropriate, reduce inventories.
- Incorporate global best practices in purchasing, inventory controls, and materials management.

Course Content:

Unit 1: The Role of Logistics and Supply Chain Management in Modern Businesses:

- Evaluate the role of logistics in the current business process.
- Understand the evolution of Supply Chain Management and Supply Chain Dynamics.
- Apply a Supply Chain Approach.
- Use and apply the Supply Chain Operations Reference Model SCOR.
- Identify Supply Chain instabilities and risks, including:
    - Internal Supply Chain Risks.
    - PESTLE Risks.
    - Inventory Risks.
    - Disruption Risks.
    - Security Risks.
    - Procurement Risks.

Unit 2: Linking Strategies and Improvement in Cost and Productivity in Procurement:

- Develop Spend Analysis to establish Purchase Prices Index.
- Examine the Total Cost of Ownership.
- Analyze Supplier Portfolio and Classification using and applying Kraljic's Matrix and Porter's 5 Forces.
- Formulate, plan, and organize Strategic Purchasing Plans.
- Illustrate the impact of the Effective order cycle and lead time on Purchasing.
- Plan and organize for negotiations.

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Unit 3: Strategic Supply in Materials Management:

- Formulate, plan, and organize formal procedures for making stock decisions.
- Explain, discuss, and review safety stock levels and order points.
- Improve min/max systems and settings using valid material forecasts.
- Catalog materials for a compelling buying process.
- Develop Bills of Material for practical parts management.

Unit 4: Effective Inventory Planning and Control:

- Set comprehensive inventory goals and objectives.
- Implement a Rationalization Strategy.
- Calculate and evaluate carrying costs and Economic Order Quantity Theory.
- Focus strategically on Pareto Analysis on cost.
- Improve material identification and coding.
- Create best practices in the physical control of materials.
- Measure record accuracy and improve cycle counting systems.

Unit 5: Tactical and Operational Approaches in Transportation Economics:

- Apply the role of transportation in logistics to the organization.
- Identify transportation management strategic critical decisions.
- Discuss the types of mode and intermodal systems.
- Illustrate International Commercial Terms in transportation and liabilities.
- Identify and review hazardous materials transportation.