



Advanced Logistics & Material
Management Course





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Introduction:

This advanced logistics and material management course fully covers the role and impact of Logistics and Supply Chain Management on an organization by examining Supplier Management in Purchasing, Transportation Models, and Inventory Models from a cost-efficient and optimization perspective.

This highly interactive advanced logistics and material management course allows delegates to practice and develop key facets of advanced logistics and materials management. This training will enable delegates to manage international shipping systems and inventory strategically.

Throughout the advanced logistics and material management training course, examples of global best practices enable delegates to fully embed the learning and apply it to their roles upon returning to work after the course.

What is Material Management?

Material management is the cornerstone of supply chain efficiency and the procurement of quality goods at optimized costs. This advanced logistics and material management course will dive into the comprehensive understanding of material management definition, enhancing the skills necessary to become an effective material manager or material management specialist.

Participants can qualify for a material management certificate course through hands-on advanced logistics and material management training. They strive to attain material management certification, often a requisite for advancing in the field.

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 logistics and material management course, the participants will be able to:

- Appreciate the implication of the impacts of logistics and materials management and purchasing functions both internally and externally to the organization
- Apply the concepts of international logistics/freight procedures & documentation
- Appreciate the importance of effective 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 develop their role and organizational benefit further

Targeted Competencies:

Upon the end of this advanced logistics and material management training, the target competencies will:

- Process mapping of the Supply Chain and internal processes for optimized results.
- Management of risks and the actions of both internal departments and external stakeholders.
- The impact of advanced logistics management is both on the organization's financial resources and on internal and external customer service.
- Integrating logistics forecasting with peak demands and resource planning to optimize the cost-efficiency in managing inventory.
- Inventory models are used to manage effectively and, where appropriate, reduce inventories.
- 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 Logistics Role in the Current Business Process.
- The Evolution of Supply Chain Management and Supply Chain Dynamics.
- The Application of a Supply Chain Approach.
- How to use and Apply the Supply Chain Operations Reference Model SCOR.
- Identifying Supply Chain Instabilities and Risks.
- 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:

- Developing Spend Analysis to establish the Purchase Prices Index.
- Examine the Total Cost of Ownership.
- Analyze Supplier Portfolio and Classification utilizing and applying Kraljic's Matric and Porter's 5 Forces.
- Formulate, Plan, and organize Strategic Purchasing Plans.
- Illustrate the Effective Order-cycle and Lead-time Effect on Purchasing.
- Plan and Organize for Negotiations.

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.
- Apply and Improve Min / Max Systems and Settings.
- Using Material Forecasts.
- Cataloging Materials for Effective Buying Process.
- Developing Bills of Material for Effective Parts Management.

Unit 4: Effective Inventory Planning and Control:

- Setting Comprehensive Inventory Goals and Objectives.
- Effecting a Rationalization Strategy.
- Calculating and Evaluating Carrying Costs and Economic Order Quantity Theory.
- Establishing a Strategic Focus with Pareto Analysis on Cost.
- Improving Material Identification and Coding.
- Creating Best Practices in the Physical Control of Materials.
- Measuring Record Accuracy and Improving Cycle Counting Systems.

Unit 5: Tactical and Operational Approaches in Transportation Economics:

- Apply the Role of Transportation in Logistics to the Organisation.
- Identify and Recognize Transportation Management Strategic Key Decisions.
- Explain, Discuss, and Review the Types of Mode and Intermodal Systems.
- Show and Illustrate the International Commercial Terms in Transportation and the Liabilities.
- Identify and Review Hazardous Materials Transportation.

Conclusion:

This advanced logistics and material management course unpacks the essentials of materials logistics management. It clarifies the correlation between logistics and material management.

We will demystify materials logistics management theory and apply it to real-world scenarios. Participants will explore the roles, from materials management technician to materials and logistics manager, including materials manager responsibilities.

The advanced logistics and material management course will differentiate the nuances of logistics material management, enabling efficient material management in logistics practices, and position professionals to pursue a logistics and materials management degree if desired.