



Basics of Supply Chain Management

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Procurement
Supply Chain
Distribution
Time to Market

Basics of Supply Chain Management

Introduction:

Since its inception in the early 1990's, the field of supply chain management has become tremendously important to companies in an increasingly competitive global marketplace. The term supply chain refers to the entire network of companies that work together to design, produce, deliver and service products. In the past, companies focused primarily on manufacturing and quality improvements within their four walls; now their efforts extend beyond those walls to encompass the entire supply chain.

For more than 25 years, the Certified in Production and Inventory Management (CPIM) program has continued to be recognized as the measurement criterion for individual assessment in the field of operations and production and inventory management. Initiated by APICS in 1973 and continuously upgraded, CPIM provides a common basis for individuals and organizations to evaluate their knowledge of this evolving field. APICS CPIM is preferred by thousands of employers worldwide who today have more than 95,000 qualified employees. This course offers essential terminology, concepts and strategies related to:

- Demand management
- Procurement management
- Supplier planning
- Material requirements planning
- Capacity planning
- Sales and operations planning
- Master scheduling

- Performance measurements
- Supplier relationships
- Quality control
- Continuous improvement

Who should attend?

Any person working in Production and inventory management, Operations, Supply chain management, Procurement, Materials management, Purchasing.

Course Objectives:

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

- Increase your functional knowledge of production and inventory management
- Maximize ROI on the systems and technologies within your organization
- Master the tools you need to effectively manage global supply chain activities
- Gain knowledge to apply principles ERP software to cover various critical functions within your organization
- Earn customer satisfaction by delivering Lean/Just-in-Time products and services
- Enhance your credibility within your organization
- Create consistency and foster collaboration through best practices, common terminology, and corporate wide communication
- Define a supply chain and understand material, information, and capital flows
- Understand major challenges to effective supply chain management, including variability, organizational silos, the Bullwhip Effect, and tradeoffs

- Recognize the importance of product design and manufacturing in the supply chain process
- Learn the importance of metrics (supply chain performance measures), including chain-wide metrics

Course Outline:

Business Wide Concepts 1

- Organization Fundamentals
- Operating Environments
- Financial Fundamentals
- Enterprise Resource Planning (ERP)

Business Wide Concepts 2

- Lean and Just-in-Time (JIT)
- Quality Management Systems
- Theory of Constraints (TOC)
- Impact of Environment on System Design and Deployment

Demand Management

- Market Driven Demand
- Customer Expectations and Definition of value
- Customer Relationship Management (CRM)
- Demand Planning

Transformation of Demand into Supply

- Product and Process Design

- Capacity Management
- Planning
- Execution and Control
- Performance Measurements

Supply Management

- Planned Replenishment of Inventory
- Purchasing
- Physical Distribution Systems