

Basics of Supply Chain Management

This is an introductory course for production and inventory management personnel and related disciplines for CPIM candidates. This course provides basic definitions and concepts for planning and controlling the flow of materials into, through, and out of an organization. It explains fundamental relationships among the activities that occur in the supply chain from suppliers to customers. In addition, the course addresses types of manufacturing systems, forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management, and Just-in-Time manufacturing.

Featured sections in this module include:

I. Business-wide Concepts

This section of the outline covers basic business-wide concepts, including the various production environments used for the transformation process and financial fundamentals.

Also in this section, three of the more common company-wide management approaches (MRP II, JIT, and TQM) are presented together with their interrelationships and are included in the following major topic areas:

- A. Elements of the Supply Chain
- B. Operating Environments
- C. Financial Fundamentals
- D. Manufacturing Resource Planning (MRP II)
- E. Just-in-Time (JIT)
- F. Total Quality Management (TQM)

II. Demand Planning

This section covers demand planning, including a basic understanding of markets and customer expectations, the definition of value, and a fundamental overview of demand forecasting and are included in the following major topic areas:

- A. Marketplace-Driven
- B. Customer Expectations and Definition of Value
- C. Customer Relationships
- D. Demand Management

III. Transformation of Demand into Supply

This section includes design, management, and control of the transformation process itself. The first part of this section includes the design of products, processes, and information systems used for planning. The rest of the section includes fundamentals of planning systems, execution controls, and performance measures and are included in the following major topic areas:

- A. Design
- B. Capacity Management
- C. Planning
- D. Execution and Control
- E. Performance Measurements

IV. Supply

This section is devoted to supply issues. These include the concepts of inventory, purchasing, and physical distribution and are included in the following major topic areas:

- A. Inventory
- B. Purchasing
- C. Physical Distribution System

COURSE CONTENT IS PRESENTED IN 30 HOURS, 3 HOURS PER WEEK

When presented in-house, the schedule can be arranged for your convenience.