

## **CPIM Part 1 Learning System - Version 6.0**

### ***Topics***

### **Basics of Supply Chain Management**

#### **A-Introduction to Supply Chain Management**

- Topic 1: The Manufacturing Supply Chain
- Topic 2: Introduction to Manufacturing
- Topic 3: Manufacturing Environments and Process Choices
- Topic 4: Manufacturing Planning and Control
- Topic 5: Lean

#### **B- Demand Management**

- Topic 1: Demand Management Processes
- Topic 2: Characteristics of Demand
- Topic 3: Forecasting
- Topic 4: Tracking the Forecast

#### **C-Master Planning**

- Topic 1: S&OP and Production Planning
- Topic 2: Master Scheduling and the Master Production Schedule (MPS)
- Topic 3: Master Scheduling and Sales

#### **D- Materials Requirements Planning (MRP)**

- Topic 1: The MRP Environment
- Topic 2: Bills of Material
- Topic 3: MPR Logic
- Topic 4: Using and Managing the Priority Plan

#### **E- Capacity Management**

- Topic 1: Capacity Management Overview
- Topic 2: Capacity Requirements Planning

#### **F- Purchasing**

- Topic 1: Purchasing Participants and Objectives
- Topic 2: Purchasing Process

### **G-Inventory Management**

- Topic 1: Aggregate Inventory Management
- Topic 2: Inventory Costs
- Topic 3: Financial Statements and Inventory
- Topic 4: Inventory Policies and Controls
- Topic 5: Order Quantities
- Topic 6: Independent Demand Ordering Systems
- Topic 7: Auditing Inventory Records

### **H- Execution and Control**

- Topic 1: Theory of Constraints
- Topic 2: Production Activity Control
- Topic 3: Scheduling and Implementation
- Topic 4: Capacity Control

### **I- Physical Distribution**

- Topic 1: Physical Distribution Overview
- Topic 2: Distribution Inventory
- Topic 3: Transportation
- Topic 4: Warehousing

### **J- Continues Improvement**

- Topic 1: Continuous Improvements of Products and Processes
- Topic 2: Lean for Continuous Improvement
- Topic 3: TOC for Continuous Improvement
- Topic 4: Total Quality Management and Other Quality Tools
- Topic 5: Six Sigma