

# APICS Certified in Production and Inventory Management, CPIM Part 2

(Previously known as the four independent modules MPR, DSP, ECO, and SMR)

This 12-week course supports you in preparation for the Part 2 (of two) certification exam. Please note that you will absolutely need to purchase the CPIM Part 2 Learning System separately and directly from the <http://learn.apics.org/> website. The learning system is mandatory as this is less lecture and more interactive. (\$495 USD for APICS Plus members).

## Content Outline

### **I. Master Planning of Resources (MPR)**

This section includes principles and techniques of demand management, sales and operations planning, master scheduling, and distribution planning. It includes forecasting, order servicing, demand shaping, customer relationship management, and distribution network and replenishment. Also included is the integration between the sales and operations plan, production plan, and master production schedule.

### **II. Detailed Scheduling and Planning (DSP)**

This section includes principles and techniques of inventory management, material requirements planning, capacity requirements planning, and procurement and supplier planning. Recognizing the importance of supply chain management, this subject area also covers deployment of supply chain strategies related to scheduling, planning, and sourcing. This supports the strategies and objectives established by the company, as constrained by lead time, cost, equipment, personnel, sustainability considerations, or other constraints. This encompasses requirements to bridge the master planning with the execution and control subject areas.

### **III. Execution and Control of Operations (ECO)**

This section encompasses the principles and techniques necessary to execute, control, and manage operations, and participate in design decisions. This subject area provides feedback about how good plans are being executed, as well as providing information for customers and suppliers about the status of services and products in process. The importance and emphasis of these approaches are relative to the operation's environment, the labor environment, the physical organization of the facility, and the effectiveness of management and employees.

### **IV. Strategic Management of Resources (SMR)**

This section includes higher-level thinking on strategic planning and implementation of operations. This requires an understanding of how market requirements and strategic position of the organization drive the resources and processes of an organization. This includes how operational strategies are developed and implemented, change management and risk implications.