

Detailed Scheduling and Planning

This course focuses on material and capacity scheduling and planning. It includes a detailed explanation of material requirements planning (MRP), a technique suitable for use in many environments. The course also introduces another material planning technique, material-dominated scheduling, which is applicable to process industries and other mature production environments. The course explains capacity requirements planning in detail and introduces other capacity-planning techniques, including processor-dominated scheduling.

Featured sections in this module include:

I. Planning Material Requirements to Support the Master Schedule

- A. Recognizing Techniques and Practices of Inventory
- B. Identifying Information Used in Material Planning
- C. Identifying the Desirable Characteristics of the Detailed Material Planning Process
- D. Mechanics of the Detailed Material Planning Process
- E. Maintaining the Validity of the Material Plan
- F. Interactions with Other Systems (closing the loop)

II. Planning Operations to Support the Priority Plan

- A. Recognizing the Characteristics and Techniques of the Detailed Capacity Planning Process
- B. Identifying Information used in the Detailed Capacity Planning Process
- C. Identifying Desirable Characteristics of the Detailed Capacity Planning Process
- D. Uses of the Detailed Capacity Planning Process
- E. Measuring the Performance of the Detailed Capacity Planning Process
- F. Interactions with Other Systems

III. Planning Procurement and External Sources of Supply

- A. Establishing Relationships with Suppliers
- B. Techniques and Concepts for Supplier Partnerships
- C. Implementing the new relationship

COURSE CONTENT IS PRESENTED IN 27 HOURS, 3 HOURS PER WEEK

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