



APICS Essential Skills for Planners 9 Sessions, 27 Hours

On-line, Instructor-Led, “Virtual Classroom” via ZOOM

Course Description

This course focuses on standard planning and control processes and systems used by Production & Inventory Control professionals in manufacturing companies including: Production and Material Planning & Control (MRP), Inventory Planning & Control, and Capacity Planning & Control (CRP). All terms and concepts taught in this course are based on the APICS Body of knowledge.

Audience

This course is ideal for both new and experienced Production/Inventory Control employees (Production Control Supervisors, Production Planners, Material Planners, Capacity Planners, Planner/Buyers, Schedulers, Expeditors and Coordinators), and other P&IC associates who want to hone their job skills and gain practical knowledge in the field of Production & Inventory Control and Planning.

Prerequisites

If the course is online, each participant must have access to a computer (no shared computer with other participants) and a reliable internet connection. It is strongly recommended that students have a basic knowledge or some experience with Purchasing activities.

Topics and Course Content

Fundamentals of Inventory Management (PIM-2)

- Inventory management objectives and strategy
- Function and purpose of inventory
- Inventory trade off decisions

Advanced Scheduling (PMM-9)

- MRP vs Lean scheduling (push vs pull)
- Resolving schedule conflicts
- Managing bottleneck work centers TOC

Purpose and Function of Inventory (PIM-3)

- Five functions of inventory
- Elements of inventory costing and valuation
- Impact of inventory on financials and cash flow

Product Structures (PMM-3)

- Structuring BOM's
- Importance of Bill of Material accuracy
- Routing and work center data

Managing with MRP (PMM-5)

- MRP explosion, netting and offsetting
- Working with MRP action messages
- MRP performance measurements

Material Planning MRP (PMM-4)

- Dependent and independent demand
- MRP inputs and outputs
- MRP mechanics

Capacity Management (PMM-7)

- Relationship between priority and capacity planning
- Capacity Requirements Planning CRP
- Managing over / underloads

Production Activity Control PAC (PMM-8)

- Linkage between PAC and planning system
- PAC scheduling and control activities
- PAC data management and feedback

Learning Goals and Results

Students will learn basic terms, concepts, systems, and best practices used by Production and Inventory Control and Planning professionals that can immediately be applied in performing their current job and/or used to prepare for a next level job opportunity. The terminology and concepts learned in this course will also aid students in preparing for the APICS Production & Inventory Management (CPIM) Certification exams.

Employment Training Panel (ETP) Cost: \$513.00 per employee*

Non-ETP COST: \$1,134.00 per employee

WHEN:

**Monday
June 26, 2023 – August 28, 2023
4:00 pm to 7:00 pm
No class July 3, 2023**

WHERE:

**On-line, Remote
"Virtual Classroom"
Via Zoom**

**For more information or to register, please contact Jocey Hogan
at 661.362.5657 or jocey.hogan@canyons.edu**

*For employees of eligible employers. Employees are not considered registered until all paperwork is received, a participant fee, per trainee, has been paid to the Santa Clarita Community College District and the Employment Training Panel has determined eligibility. State subsidy is contingent upon the trainee completing all the Employment Training panel requirements. Please contact the Employee Training Institute, 661.362.5657, for details on eligibility requirements.

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