

SAP EDUCATION



PRODUCTION PLANNING:

SAP ERP uses material requirements planning techniques to create unconstrained production plans in the form of production orders or planned orders. This Course demonstrates how you can use production planning functionality to improve efficiency and customer service, increase revenue, lower working capital, and reduce operating costs.

Delivery Type: Class – Room Instructor Led

Locations: Calgary, Edmonton, Vancouver, Ottawa, Montreal & Toronto

COURSE CONTENTS

→ Overview of Bills of Materials:

- How are Bills of Material Used in Production Planning
- BOM Categories
- Effectivity
- Technical Types
- BOM Usage
- Structure of a BOM
- Material BOM Browser
- Item Categories for Material Items
- Steps in Creating a Simple Material BOM

→ Order Bills of Materials:

- Overview of Order BOM
- Sales Order Processing for Products with Many Variants
- Assemblies with a Long Replenishment Lead Time
- Entering a Sales Order
- Creating an Order BOM
- Order BOM's for Variant Configuration
- Costing of Order BOM's
- Order BOM's in MRP
- Order BOM's in Production

→ PP – Work Centers:

- Work Center Basic Functions
- Capacities
- Scheduling Data in Work Centers
- Costing
- Assignment to Objects in the Human Resource Management
- Technical Data for Calculating Standard Values with CAPP
- Work Center Hierarchy
- Reporting
- Configuration of Work Centers

→ **Routings:**

- Routing Structure and Navigation
- Maintaining Routings and Rate Routings
- Maintaining Reference Operation Sets and Reference Rate Routings
- Change Management
- Editing Configurable Routings

→ **Line Design:**

- Carrying Out Line Design
- Processing the Rate Routings
- Line Hierarchy Processing
- Processing Line Balances
- Changing the operative Rate / Time
- Operational Method Sheets

→ **Integrated Product and Process Engineering:**

- Structure of Integrated Product and Process Engineering
- Working with iPPE Workbench and Product Designer
- Tabular Maintenance in iPPE
- Migrating Classical BOM's to iPPE Objects
- iPPE Product Structure
- Release Management

→ **Standard Value Calculation with CAPP:**

- Overview of Standard Value Calculation with CAPP
- CAPP Standard Value Calculation in the SAP System
- CAPP Elements & its Basics
- Formulas
- Methods
- Characteristics Origin
- Value Types
- Rules
- Processes
- Working and Maintaining of CAPP Elements

→ Sales and Operations Planning:

- Basics of Sales and Operations Planning
- Planning Methods
- Master Data
- Planning Types and Macros
- Events
- Planning Table: Structure, Navigation and Display
- Planning Table: Data Maintenance
- Executing Resource Leveling
- Version Management
- Aggregation and Disaggregation
- Mass Processing in SOP
- Reporting

→ Distribution Resource Planning:

- Overview of Distribution Resource Planning
- Running DRP
- Running Deployment
- Maintaining a Distribution Network

→ Demand Management:

- Position of Demand Management in Supply Chain
- Planning Strategies
- Strategies for Make-to-Stock, Order Production
- Strategies for Planning Components
- Reorganization of Planning Data
- Display of Information in Demand Management
- Planned Independent Requirements

→ Long – Term Planning:

- Creating Planned Independent Requirements Versions
- Creating and Releasing a Planning Scenario
- Executing MRP for Long – Term Planning
- Evaluating Long – Term Planning
- Processing Planning Orders in Long – Term Planning

→ **Capacity Planning:**

- Capacity Requirements
- Scheduling & Parameters for Scheduling and Calculating Capacity
- Capacity Evaluation
- Capacity Leveling
- Capacity Planning in Production Planning

→ **Materials Requirements Planning:**

- Material Requirements Planning in the Logistics Chain
- MRP Procedures
- Master Data
- Planning Process
- Special Planning Process
- Carrying Out the Planning Run
- Evaluating the Planning Run
- Procurement Proposal

→ **Production Orders:**

- Production Order Maintenance
- Copying Master Data
- Document Integration in Production Order
- Scheduling
- Production Resources and Tools
- Availability Check
- Preliminary Costing
- Order Release
- As-Built Configuration
- Inspection Lots
- Missing Parts
- External Procurement Processing
- Goods Movement
- Confirmations
- Order Settlement
- Order Change Management
- Mass Processing of Process and Production Orders
- Collective Orders
- Order Information System

➔ **PP KANBAN:**

- PP – KANBAN Overview
- KANBAN Procedure
- Master Data for KANBAN
- Automatic KANBAN Calculation
- KANBAN Control
- Cost Accounting for KANBAN
- Evaluations
- Confirmations to PP

➔ **Repetitive Manufacturing:**

- Make – to – Stock Repetitive Manufacturing
- Make – to – Order Repetitive Manufacturing
- Master Data for Repetitive Manufacturing
- Planning
- Pull List
- Back Flushing
- Cost Object Controlling
- Evaluations

➔ **Production Lot Planning / Individual Lot Planning:**

- Planning Process Flow of Production Lots
- Maintaining Master Data
- Creating Planned Independent Requirements for each Production Lot
- Carrying Out MRP Run
- Carrying Out Production and Back Flushing

➔ **Assembly – To – Order:**

- Assembly – To – Order Concept and Settings
- Make – To – Order Using Assembly Processing
- Production Planning and Control for Assembly Price

➔ **Production Planning for Process Industries:**

- Resource Categories, Hierarchy, Networks

- Capacity Maintenance
 - Evaluations and Resource Configuration
 - Master Recipes
 - Process Orders
 - Production Campaign
 - Process Management
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CONTACT US

Course schedule information is available on www.sitinfosys.com

Please check with us for the latest information.

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SI & T Infosystems

Phone: (403) 401 - 4125

Email: info@sitinfosys.com