

SCM240

Production Planning in ERP

COURSE OUTLINE

Course Version: 15

Course Duration: 5 Day(s)

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	<i>Example text</i>
Window title	<i>Example text</i>

Contents

ix	Course Overview	
1	Unit 1: Overview of Production Planning in SAP ERP	
1	Lesson: Outlining the Supply Chain Planning Process	
1	Lesson: Outlining the Core Production Planning Process	
3	Unit 2: Demand Management	
3	Lesson: Outlining Demand Management	
3	Lesson: Planning Make-to-Stock Production Without Consumption Logic	
3	Lesson: Planning Make-to-Stock Production with Consumption Logic	
3	Lesson: Planning Make-to-Order Production Without Consumption Logic	
3	Lesson: Planning Make-to-Order Production with Consumption Logic	
4	Lesson: Using Assembly Processing in Make-to-Order Production	
4	Lesson: Applying Demand Management Enhancements	
4	Lesson: Analyzing Availability Checks	
5	Unit 3: Material Requirements Planning Execution	
5	Lesson: Outlining Material Requirements Planning	
5	Lesson: Setting Up the MRP Prerequisites	
5	Lesson: Executing the MRP Run	
5	Lesson: Setting Up the MRP Run	
5	Lesson: Planning MRP Interactively	
5	Lesson: Applying Firming Mechanisms	
7	Unit 4: Technical Processes of Requirements Planning	
7	Lesson: Calculating Net Requirements	
7	Lesson: Applying Buffers in Net Requirements Calculation	
7	Lesson: Calculating Lot Sizes	
7	Lesson: Selecting Procurement Types	
7	Lesson: Setting Up Basic-Date Scheduling	
7	Lesson: Setting Up Lead-Time Scheduling	
8	Lesson: Selecting BOM and Routing	

9 Unit 5: MRP Results Processing and Evaluations

- 9 Lesson: Comparing an MRP List and a Stock/Requirements List
- 9 Lesson: Applying the Planning Table
- 9 Lesson: Identifying Exception Messages
- 9 Lesson: Applying Additional Evaluation Aids

11 Unit 6: Additional MRP Processes

- 11 Lesson: Applying Master Production Scheduling (MPS)
- 11 Lesson: Setting Up Long-Term Planning
- 11 Lesson: Executing Long-Term Planning
- 11 Lesson: Analyzing Multi-Site Planning
- 11 Lesson: Setting Up MRP Areas
- 11 Lesson: Applying MRP Areas

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Business Process Owner/Team Lead/Power User
- User

Lesson 1: Outlining the Supply Chain Planning Process

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the Supply Chain Planning process

Lesson 2: Outlining the Core Production Planning Process

Lesson Objectives

After completing this lesson, you will be able to:

- Run the Production Planning process with SAP ERP

Lesson 1: Outlining Demand Management

Lesson Objectives

After completing this lesson, you will be able to:

- Examine planning strategies

Lesson 2: Planning Make-to-Stock Production Without Consumption Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Apply make-to-stock production (strategy 10)
- Apply production by lot size (strategy 30)

Lesson 3: Planning Make-to-Stock Production with Consumption Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Apply planning with final assembly (strategy 40)
- Apply subassembly planning (strategy 70)

Lesson 4: Planning Make-to-Order Production Without Consumption Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Apply pure make-to-order production (strategy 20)

Lesson 5: Planning Make-to-Order Production with Consumption Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Apply planning without final assembly (strategy 50)

Lesson 6: Using Assembly Processing in Make-to-Order Production

Lesson Objectives

After completing this lesson, you will be able to:

- Apply assembly processing with production orders (strategy 82)

Lesson 7: Applying Demand Management Enhancements

Lesson Objectives

After completing this lesson, you will be able to:

- Apply reduction of planned independent requirements
- Apply MRP and demand management customizing elements systematically

Lesson 8: Analyzing Availability Checks

Lesson Objectives

After completing this lesson, you will be able to:

- Rate the different availability checks

Lesson 1: Outlining Material Requirements Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Outline MRP principles

Lesson 2: Setting Up the MRP Prerequisites

Lesson Objectives

After completing this lesson, you will be able to:

- Apply prerequisites for MRP

Lesson 3: Executing the MRP Run

Lesson Objectives

After completing this lesson, you will be able to:

- Select the appropriate MRP run procedure

Lesson 4: Setting Up the MRP Run

Lesson Objectives

After completing this lesson, you will be able to:

- Set up the MRP run control parameters

Lesson 5: Planning MRP Interactively

Lesson Objectives

After completing this lesson, you will be able to:

- Apply the appropriate interactive planning method

Lesson 6: Applying Firming Mechanisms

Lesson Objectives

After completing this lesson, you will be able to:

- Apply firming mechanisms to preserve planning results

Lesson 1: Calculating Net Requirements

Lesson Objectives

After completing this lesson, you will be able to:

- Explain net requirements calculation

Lesson 2: Applying Buffers in Net Requirements Calculation

Lesson Objectives

After completing this lesson, you will be able to:

- Apply buffers in net requirements calculation

Lesson 3: Calculating Lot Sizes

Lesson Objectives

After completing this lesson, you will be able to:

- Apply lot-sizing procedures

Lesson 4: Selecting Procurement Types

Lesson Objectives

After completing this lesson, you will be able to:

- Choose the appropriate procurement type
- Apply quota arrangement in Material Requirements Planning

Lesson 5: Setting Up Basic-Date Scheduling

Lesson Objectives

After completing this lesson, you will be able to:

- Configure basic-date scheduling

Lesson 6: Setting Up Lead-Time Scheduling

Lesson Objectives

After completing this lesson, you will be able to:

- Configure lead-time scheduling

Lesson 7: Selecting BOM and Routing

Lesson Objectives

After completing this lesson, you will be able to:

- Configure automatic BOM selection
- Configure automatic routing selection

Lesson 1: Comparing an MRP List and a Stock/Requirements List

Lesson Objectives

After completing this lesson, you will be able to:

- Compare the use of an MRP list and a stock/requirements list

Lesson 2: Applying the Planning Table

Lesson Objectives

After completing this lesson, you will be able to:

- Apply the planning table

Lesson 3: Identifying Exception Messages

Lesson Objectives

After completing this lesson, you will be able to:

- Configure and interpret exception messages

Lesson 4: Applying Additional Evaluation Aids

Lesson Objectives

After completing this lesson, you will be able to:

- Apply additional evaluation aids

Lesson 1: Applying Master Production Scheduling (MPS)

Lesson Objectives

After completing this lesson, you will be able to:

- Use master production scheduling

Lesson 2: Setting Up Long-Term Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Set up a long-term planning scenario

Lesson 3: Executing Long-Term Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Execute a long-term planning run

Lesson 4: Analyzing Multi-Site Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Perform multi-site planning

Lesson 5: Setting Up MRP Areas

Lesson Objectives

After completing this lesson, you will be able to:

- Prepare the system for planning with MRP areas

Lesson 6: Applying MRP Areas

Lesson Objectives

After completing this lesson, you will be able to:

- Apply storage location MRP areas