S4MA1

SAP S/4HANA Manufacturing - Functions & Innovations

COURSE OUTLINE

Course Version: 26
Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2024 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see https://www.sap.com/corporate/en/legal/copyright.html for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials may have been machine translated and may contain grammatical errors or inaccuracies.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

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	*Example text*
Window title	*Example text*

© Copyright. All rights reserved.

Contents

vii	Course Overview	
1	Unit 1:	SAP S/4HANA Enterprise Management (logistics): Overview
1		Lesson: Outlining SAP S/4HANA Manufacturing Functions and Innovations
3	Unit 2:	SAP S/4HANA Enterprise Management (Planning): Simplifications
3		Lesson: Introducing the Basics
5	Unit 3:	SAP S/4HANA: Best Practice: The New MRP
5		Lesson: Outlining Customer Key Requirements: Challenges, Features, and Benefits
5		Lesson: Understanding Material Requirements Planning
5		Lesson: Describing MRP on SAP S/4HANA: MRP Live
7	Unit 4:	SAP S/4HANA: Best Practice: Production Methods
7		Lesson: Understanding SAP S/4HANA Best Practice: Make-to-Stock
7		Lesson: Understanding SAP S/4HANA Best Practice: Make-to-Order
7		Lesson: Explaining SAP S/4HANA Best Practice: Planning on Assembly Level (Optional)
9	Unit 5:	PP/DS in SAP S/4HANA
9		Lesson: Describing Master Data and the Alert Monitor
9		Lesson: Using Demand Management and Planning Strategies in PP/DS
9		Lesson: Using Production Planning
9		Lesson: Exploring Supply Based Confirmation (SBC)
9		Lesson: Outlining Detailed Scheduling
9		Lesson: Outlining Apps for Detailed Scheduling in SAP S/4HANA PP/DS
10		Lesson: Outlining Detailed Scheduling with Detailed Scheduling Planning Board
11	Unit 6:	Optimizer in SAP S/4HANA PP/DS
11		Lesson: Using the Optimizer in SAP S/4HANA PP/DS

© Copyright. All rights reserved.

13	**Unit 7:**	**Demand-Driven Replenishment**
13		Lesson: Exploring Demand-Driven Replenishment
15	**Unit 8:**	**Predictive MRP - pMRP**
15		Lesson: Exploring predictive MRP

© Copyright. All rights reserved.

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- Enterprise Architect
- Industry Specialist
- User

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 1

SAP S/4HANA Enterprise Management (logistics): Overview

Lesson 1: Outlining SAP S/4HANA Manufacturing Functions and Innovations

Lesson Objectives

After completing this lesson, you will be able to:

- Outline SAP S/4HANA Manufacturing: functions and innovations

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 2

SAP S/4HANA Enterprise Management (Planning): Simplifications

Lesson 1: Introducing the Basics

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the basics of the SAP S/4HANA simplifications for manufacturing

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 3

SAP S/4HANA: Best Practice: The New MRP

Lesson 1: Outlining Customer Key Requirements: Challenges, Features, and Benefits

Lesson Objectives

After completing this lesson, you will be able to:

- Outline challenges, features, and benefits of MRP on SAP HANA

Lesson 2: Understanding Material Requirements Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the basics of the Materials Requirement Planning with SAP S/4HANA Manufacturing

Lesson 3: Describing MRP on SAP S/4HANA: MRP Live

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP S/4HANA MRP solution

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 4

SAP S/4HANA: Best Practice: Production Methods

Lesson 1: Understanding SAP S/4HANA Best Practice: Make-to-Stock

Lesson Objectives

After completing this lesson, you will be able to:

- Understand make-to-stock production

Lesson 2: Understanding SAP S/4HANA Best Practice: Make-to-Order

Lesson Objectives

After completing this lesson, you will be able to:

- Understand make-to-order production

Lesson 3: Explaining SAP S/4HANA Best Practice: Planning on Assembly Level (Optional)

Lesson Objectives

After completing this lesson, you will be able to:

- Understand planning on assembly level

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 5 PP/DS in SAP S/4HANA

Lesson 1: Describing Master Data and the Alert Monitor

Lesson Objectives

After completing this lesson, you will be able to:

- Understand master data and Alert Monitor

Lesson 2: Using Demand Management and Planning Strategies in PP/DS

Lesson Objectives

After completing this lesson, you will be able to:

- Use demand management and planning strategies in PP/DS

Lesson 3: Using Production Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Use production planning

Lesson 4: Exploring Supply Based Confirmation (SBC)

Lesson Objectives

After completing this lesson, you will be able to:

- Explore Supply Based Confirmation

Lesson 5: Outlining Detailed Scheduling

Lesson Objectives

After completing this lesson, you will be able to:

- Use detailed scheduling

Lesson 6: Outlining Apps for Detailed Scheduling in SAP S/4HANA PP/DS

© Copyright. All rights reserved.

Lesson Objectives

After completing this lesson, you will be able to:

- Outline apps for detailed scheduling

Lesson 7: Outlining Detailed Scheduling with Detailed Scheduling Planning Board

Lesson Objectives

After completing this lesson, you will be able to:

- Outline detailed scheduling with the DS planning board

© Copyright. All rights reserved.

UNIT 6 Optimizer in SAP S/4HANA PP/DS

Lesson 1: Using the Optimizer in SAP S/4HANA PP/DS

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Optimizer in SAP S/4HANA PP/DS

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 7 Demand-Driven Replenishment

Lesson 1: Exploring Demand-Driven Replenishment

Lesson Objectives

After completing this lesson, you will be able to:

- Explore Demand-Driven Replenishment

© Copyright. All rights reserved.

© Copyright. All rights reserved.

UNIT 8 Predictive MRP - pMRP

Lesson 1: Exploring predictive MRP

Lesson Objectives

After completing this lesson, you will be able to:

- Explore predictive MRP

© Copyright. All rights reserved.