S4210

Basic Data for Manufacturing and Product Management in SAP S/4HANA

COURSE OUTLINE

Course Version: 23
Course Duration:

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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	*Example text*
Window title	*Example text*

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Super / Key / Power User
- Business Analyst
- Business Process Owner/Team Lead/Power User
- User

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UNIT 1 Material

Lesson 1: Introducing Material

Lesson Objectives

After completing this lesson, you will be able to:

- Describe a material
- Give a first overview on the material

Lesson 2: Creating a Material

Lesson Objectives

After completing this lesson, you will be able to:

- Maintain prerequisites for creating material
- Create materials using different methods

Lesson 3: Assigning Documents

Lesson Objectives

After completing this lesson, you will be able to:

- Assigning Documents

Lesson 4: Classifying Material

Lesson Objectives

After completing this lesson, you will be able to:

- Classify a material with different scenarios

Lesson 5: Managing the Material

Lesson Objectives

After completing this lesson, you will be be able to:

- Manage Materials
- Define a material status

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- Perform a mass change

Lesson 6: Working with the Product Master

Lesson Objectives

After completing this lesson, you will be able to:

- Work with Product Master
- Benefit from the UI of the Product Master

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UNIT 2 Bill of Material (BOM)

Lesson 1: Introducing Bills of Material (BOMs)

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview on material BOMs
- Define the prerequisites
- Work with the BOM structure

Lesson 2: Managing BOMs

Lesson Objectives

After completing this lesson, you will be able to:

- Create and change material BOMs
- Work with group and plant specific BOMs

Lesson 3: Performing Mass Changes

Lesson Objectives

After completing this lesson, you will be able to:

- Perform mass changes
- Work with the product structure and material BOM browser

Lesson 4: Analyzing BOMs

Lesson Objectives

After completing this lesson, you will be able to:

- Perform a BOM explosion
- Check in which BOMs materials are used
- Execute a BOM comparison

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UNIT 3 Work Centers

Lesson 1: Creating Work Centers

Lesson Objectives

After completing this lesson, you will be able to:

- Create work centers

Lesson 2: Creating Capacities in a Work Center

Lesson Objectives

After completing this lesson, you will be able to:

- Create capacities for a work center

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UNIT 4 Task Lists

Lesson 1: Working with Task Lists

Lesson Objectives
After completing this lesson, you will be able to:

- Explain task lists
- Create the first routings

Lesson 2: Creating Material Assignments and Component Allocations

Lesson Objectives
After completing this lesson, you will be able to:

- Create material assignments
- Perform a component allocation

Lesson 3: Creating Suboperations and User-Defined Fields

Lesson Objectives
After completing this lesson, you will be able to:

- Create suboperations and user-defined fields

Lesson 4: Creating Production Versions

Lesson Objectives
After completing this lesson, you will be able to:

- Create product versions

Lesson 5: Creating Production Resources and Tools (PRTs)

Lesson Objectives
After completing this lesson, you will be able to:

- Create production resources and tools

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Lesson 6: Analyzing and Changing Task Lists

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze and change task lists

Lesson 7: Engineering Workbench

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the Engineering Workbench

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UNIT 5 Advanced Bill of Material Functions

Lesson 1: Describing Phantom Assemblies

Lesson Objectives

After completing this lesson, you will be able to:

- Describe phantom assemblies

Lesson 2: Creating Co-Products and By-Products

Lesson Objectives

After completing this lesson, you will be able to:

- Create co-products and by-products

Lesson 3: Creating Alternative Components

Lesson Objectives

After completing this lesson, you will be able to:

- Create alternative components

Lesson 4: Creating Multiple BOMs

Lesson Objectives

After completing this lesson, you will be able to:

- Create multiple BOMs

Lesson 5: Creating Variant BOMs

Lesson Objectives

After completing this lesson, you will be able to:

- Create variant BOMs

Lesson 6: Changing BOMs with Engineering Change Management

Lesson Objectives

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After completing this lesson, you will be able to:

- Give an overview of Engineering Change Management
- Work with a change master
- Change material BOMs with a change master

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UNIT 6 Advanced Routing Functions

Lesson 1: Modeling Sequences

Lesson Objectives
After completing this lesson, you will be able to:

- Work with parallel and alternative sequences

Lesson 2: Modeling Alternative Manufacturing Processes

Lesson Objectives
After completing this lesson, you will be able to:

- Create alternative routings and production versions

Lesson 3: Creating Reference Operation Sets

Lesson Objectives
After completing this lesson, you will be able to:

- Create reference operation sets

Lesson 4: Applying Lead-Time Scheduling to Update a Material

Lesson Objectives
After completing this lesson, you will be able to:

- Apply lead-time scheduling to update the material

Lesson 5: Scheduling Time Elements and Reduction in the Routing

Lesson Objectives
After completing this lesson, you will be able to:

- Work with time elements
- Perform a time reduction inside routing

Lesson 6: Change Routings with Engineering Change Management

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Lesson Objectives

After completing this lesson, you will be able to:

- Change Routings with Engineering Change Management

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UNIT 7 Appendix

Lesson 1: Customizing

Lesson Objectives

After completing this lesson, you will be able to:

- Customize master data
- Create a plant in SAP ERP
- Create a storage location
- Work with MRP areas

Lesson 2: Material

Lesson Objectives

After completing this lesson, you will be able to:

- Decribe material: additional infos

Lesson 3: Routing

Lesson Objectives

After completing this lesson, you will be able to:

- Create trigger points
- Use scrap inside material, material BOMs and routings

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