S4100

Business Processes in SAP
S/4HANA Product Development

COURSE OUTLINE

Course Version: 05
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.

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<thead>
<tr>
<th>Convention</th>
<th>Example text</th>
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<tr>
<td>This information is displayed in the instructor’s presentation</td>
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<td>Demonstration</td>
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<td>Related or Additional Information</td>
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<td>User interface control</td>
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### Unit 6: Manufacturing

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TARGET AUDIENCE
This course is intended for the following audiences:

• Application Consultant
• Business Process Architect
• Business Process Owner/Team Lead/Power User
• Program/Project Manager
• Solution Architect
Lesson 1: Introducing SAP S/4HANA

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

- Understand the motivation behind SAP S/4HANA
- Give an overview of SAP S/4HANA

Lesson 2: Fiori UX

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

- Work with SAP FIORI apps
- Explain the benefits

Lesson 3: SAP GUI

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

- Understand, that the SAP GUI is also available in S/4 HANA

Lesson 4: Business Client

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

- Give an overview of SAP Business Client
- Explain the benefits
Lesson 1: Model Company
Lesson Objectives
After completing this lesson, you will be able to:

- Understand the benefits of using the SAP model company
- Explain the standard process of product development

Lesson 2: Product Development: Process Overview
Lesson Objectives
After completing this lesson, you will be able to:

- Explain the product development process of the model company
- Explain the processes of Product Development
Lesson 1: Processes of the Engineering Concept Phase
Lesson Objectives
After completing this lesson, you will be able to:
- Give an overview of the processes in the Engineering Concept Phase

Lesson 2: Product Structure Management
Lesson Objectives
After completing this lesson, you will be able to:
- Explain and work with Product Structure Management

Lesson 3: Engineering Control Center
Lesson Objectives
After completing this lesson, you will be able to:
- Explain the benefits of Engineering Control Center for your daily work
- Work with the ECTR in a stand alone scenario

Lesson 4: Document Management
Lesson Objectives
After completing this lesson, you will be able to:
- Explain the benefits of Document Management
- Work with the right status network
- Connect other SAP S/4HANA objects
- Use the right secure storage area

Lesson 5: Document Center
Lesson Objectives
After completing this lesson, you will be able to:
• give an overview on SAP Cloud Platform
• understand the benefits in using the platform based Document Center

Lesson 6: Product Lifecycle Costing

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

• Explain the benefits of the new software component Product Lifecycle Costing
Lesson 1: Process Overview: Engineering Design Phase

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

- Give an overview of the processes in the Engineering Detail Design Phase

Lesson 2: CAD Integration with ECTR

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

- Understand CAD Integration with ECTR

Lesson 3: Material Management: Design

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

- Create material master
- Use the status management
- Understand the concept of views

Lesson 4: Material BOM Design

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

- Work with a group BOM
- Understand the different information
- Work with the “Maintain Material BOM” app

Lesson 5: Engineering Change Management

Lesson Objectives
After completing this lesson, you will be able to:
Lesson 6: Visual Instance Planner

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

- Give an overview on the functionalities of the Visual Instance Planner
Lesson 1: Process Overview: Handover to Manufacturing

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

- Give an overview of the processes in the Engineering Handover to Manufacturing Phase

Lesson 2: Material Management for Manufacturing

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

- Work with the status management
- Add plant specific data

Lesson 3: Material BOM for Manufacturing

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

- Copy your group BOM to your plant specific production BOM
- Evaluate your material BOMs

Lesson 4: Classification

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

- Manage Classes and Characteristics

Lesson 5: Variant Configuration

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

- Understand Variant Configuration
- Explain the different types of object dependencies
- Work with the product modeling engine

**Lesson 6: Visual Manufacturing Planner**

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

- Understand Visual Manufacturing Planner
- Create material BOM and routings based on a 3D model
Lesson 1: Process Overview: Manufacturing

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

- Give an overview of the processes in Manufacturing

Lesson 2: Work Centers

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

- Understand Work Centers
- Enter the relevant data for your routings.

Lesson 3: Routings

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

- Explain the manufacturing processes and their definition inside routings
- Connect material BOM components

Lesson 4: Manufacturing Change Management

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

- Release the changes for the production chain
- Understand the benefits of validities

Lesson 5: Guided Structure Synchronization

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

- Understand Guided Structure Synchronization

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Lesson 1: Engineering Workbench
Lesson Objectives
After completing this lesson, you will be able to:
- Work with routings and material BOMs together in one transaction

Lesson 2: Product Structure Browser
Lesson Objectives
After completing this lesson, you will be able to:
- Use the product structure browser as a central information tool

Lesson 3: 3D Visual Enterprise
Lesson Objectives
After completing this lesson, you will be able to:
- Understand SAP 3D Visual Enterprise and how to work with it

Lesson 4: Additional Information for SAP Product Lifecycle Costing
Lesson Objectives
After completing this lesson, you will be able to:
- Understand additional information about SAP Product Lifecycle Costing

Lesson 5: OPTIONAL: S/4HANA R&D Simplification List
Lesson Objectives
After completing this lesson, you will be able to:
- Describe the SAP S/4HANA R&D simplification list

Lesson 6: Glossary
Lesson Objectives
After completing this lesson, you will be able to:

- Explain relevant expressions in the area of LDM