COURSE OUTLINE

Course Version: 15
Course Duration: 3 Day(s)
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American English is the standard used in this handbook. The following typographic conventions are also used.

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## Course Overview

### Unit 1: SAP Systems

1. Lesson: Explaining the Key Capabilities of SAP NetWeaver
2. Lesson: Explaining the Architecture of an SAP System, AS ABAP and AS Java

### Unit 2: Navigation Basics

3. Lesson: Navigating with SAP GUI for Windows in AS ABAP Systems
4. Lesson: Navigating with a Browser in AS Java Systems

### Unit 3: System Core

5. Lesson: Explaining AS ABAP and AS Java System Architecture
6. Lesson: Identifying the Processes of an AS ABAP System
7. Lesson: Processing User Requests in AS ABAP
8. Lesson: Explaining Additional Processes of an AS ABAP System
9. Lesson: Explaining the Processes of an AS Java System

### Unit 4: Software Development in SAP Systems

7. Lesson: Outlining the Data Structure of an AS ABAP System
8. Lesson: Managing Transports in the ABAP Environment
9. Lesson: Explaining ABAP Workbench Tools
10. Lesson: Developing and Transporting an ABAP Repository Object
11. Lesson: Developing Applications in AS Java
12. Lesson: Developing Applications in Eclipse for ABAP

### Unit 5: Communication and Integration Technologies

9. Lesson: Describing Communication with Remote Function Call (RFC) Based Technology
10. Lesson: Describing the Basics of Web Services
11. Lesson: Describing OData in SAP

### Unit 6: Application Lifecycle Management (ALM)

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12. Lesson: Describing the Installation of an SAP System
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TARGET AUDIENCE
This course is intended for the following audiences:

- Database Administrator
- Help Desk/CoE Support
- Program/Project Manager
- System Administrator
- System Architect
- Technology Consultant
Lesson 1: Explaining the Key Capabilities of SAP NetWeaver

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

- List the key capabilities of SAP NetWeaver

Lesson 2: Explaining the Architecture of an SAP System, AS ABAP and AS Java

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

- Explain the architecture of SAP systems
Lesson 1: Navigating with SAP GUI for Windows in AS ABAP Systems

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

- Navigate SAP systems using the SAP GUI

Lesson 2: Navigating with a Browser in AS Java Systems

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

- Navigate AS Java systems using a browser
Lesson 1: Explaining AS ABAP and AS Java System Architecture
Lesson Objectives
After completing this lesson, you will be able to:

- Access system status information

Lesson 2: Identifying the Processes of an AS ABAP System
Lesson Objectives
After completing this lesson, you will be able to:

- Identify the processes of an AS ABAP system

Lesson 3: Processing User Requests in AS ABAP
Lesson Objectives
After completing this lesson, you will be able to:

- Process requests in AS ABAP
- Process transactions in AS ABAP

Lesson 4: Explaining Additional Processes of an AS ABAP System
Lesson Objectives
After completing this lesson, you will be able to:

- Process a print request
- Schedule a background job
- Communicate through the gateway
- Process a web request

Lesson 5: Explaining the Processes of an AS Java System
Lesson Objectives
After completing this lesson, you will be able to:
• Explain the processes of an AS Java system
• Process user requests in AS Java
Lesson 1: Outlining the Data Structure of an AS ABAP System
Lesson Objectives
After completing this lesson, you will be able to:
- Describe the data structure of the ABAP stack in an SAP system

Lesson 2: Managing Transports in the ABAP Environment
Lesson Objectives
After completing this lesson, you will be able to:
- Create a transport request
- Assign an object to a package
- Release a transport request

Lesson 3: Explaining ABAP Workbench Tools
Lesson Objectives
After completing this lesson, you will be able to:
- Explain ABAP workbench tools in the software development cycle

Lesson 4: Developing and Transporting an ABAP Repository Object
Lesson Objectives
After completing this lesson, you will be able to:
- Create an ABAP program
- Outline the components of the ABAP dictionary

Lesson 5: Developing Applications in AS Java
Lesson Objectives
After completing this lesson, you will be able to:
- Develop applications in AS Java
Plan transports using NetWeaver Development Infrastructure (NWDI) and Enhanced Change and Transport System (CTS)

Lesson 6: Developing Applications in Eclipse for ABAP

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

- Develop applications in Eclipse for ABAP
Lesson 1: Describing Communication with Remote Function Call (RFC) Based Technology

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

- Describe communication with remote function call (RFC) based technology
- Explain Application Link Enabling (ALE)

Lesson 2: Describing the Basics of Web Services

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

- Explain Web services on SAP NetWeaver AS

Lesson 3: Describing OData in SAP

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

- Describe OData in SAP
Lesson 1: Explaining Application Lifecycle Management (ALM)

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

• Utilize the ALM tools

Lesson 2: Describing the Installation of an SAP System

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

• Describe the installation of an SAP system
• Utilize SAP’s installation tools

Lesson 3: Describing the Maintenance of an SAP System

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

• Describe the maintenance of an SAP system
Lesson 1: Identifying the Platform, Database, and User Experience in the SAP Technology Portfolio

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

- Identify the core application platform
- Identify the database products supporting SAP
- Identify additional SAP user experiences

Lesson 2: Outlining Additional Components of the SAP Technology Portfolio

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

- Identify the components of integration and process orchestration
- Identify SAP content and collaboration solutions
- Identify analytic solutions from SAP
- Outline virtualization and cloud management solutions from SAP
- Outline mobile solutions from SAP

Lesson 3: Identifying the Components of the SAP Applications Portfolio

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

- Identify the components of the SAP applications portfolio
Lesson 1: Accessing AS ABAP Systems with SAP GUI

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

● Navigate AS ABAP systems with SAP GUI for Windows
● Personalize the user interface
● Access AS ABAP systems using SAP GUI for Java
● Access AS ABAP systems using SAP GUI for HTML

Lesson 2: Accessing SAP Systems using Other User Interfaces

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

● Access a portal system
● Access AS ABAP using SAP NetWeaver Business Client
● Access SAP systems using Screen Personas
Lesson 1: Accessing the SAP Service Marketplace

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

• Access the SAP Service Marketplace

Lesson 2: Accessing the SAP Community Network (SCN)

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

• Access the services of the SAP Community Network (SCN)