COURSE OUTLINE

Course Version: 19
Course Duration:
SAP Copyrights and Trademarks

© 2018 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 http://global12.sap.com/corporate-en/legal/copyright/index.epx 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 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.
American English is the standard used in this handbook. The following typographic conventions are also used.

<table>
<thead>
<tr>
<th>Typographic Convention</th>
<th>Example Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>This information is displayed in the instructor’s presentation</td>
<td></td>
</tr>
<tr>
<td>Demonstration</td>
<td></td>
</tr>
<tr>
<td>Procedure</td>
<td></td>
</tr>
<tr>
<td>Warning or Caution</td>
<td></td>
</tr>
<tr>
<td>Hint</td>
<td></td>
</tr>
<tr>
<td>Related or Additional Information</td>
<td></td>
</tr>
<tr>
<td>Facilitated Discussion</td>
<td></td>
</tr>
<tr>
<td>User interface control</td>
<td>Example text</td>
</tr>
<tr>
<td>Window title</td>
<td>Example text</td>
</tr>
</tbody>
</table>
## Contents

<table>
<thead>
<tr>
<th></th>
<th>Course Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unit 1: SAP Systems</td>
</tr>
<tr>
<td>1</td>
<td>Lesson: Describing the Architecture of SAP Systems</td>
</tr>
<tr>
<td>3</td>
<td>Unit 2: Navigation</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Describing SAP GUI and SAP LOGON</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Describing SAP GUI Functions, Help, and Personalization</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Describing Navigation using a Web Browser</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Describing SAP Business Client</td>
</tr>
<tr>
<td>3</td>
<td>Lesson: Describing SAP Fiori</td>
</tr>
<tr>
<td>4</td>
<td>Lesson: Describing the SAP Enterprise Portal</td>
</tr>
<tr>
<td>5</td>
<td>Unit 3: SAP System Kernel</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Explaining the Basic Architecture of SAP NetWeaver AS</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Describing AS ABAP</td>
</tr>
<tr>
<td>5</td>
<td>Lesson: Describing AS Java</td>
</tr>
<tr>
<td>7</td>
<td>Unit 4: Software Development in SAP Systems</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Describing the Data Structure of an SAP System and Software Logistics</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Accessing and Editing ABAP Repository Objects</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Importing Transport Requests</td>
</tr>
<tr>
<td>7</td>
<td>Lesson: Introducing SAP NetWeaver Development Infrastructure (NWDI) and the Transport Process for non-ABAP Applications</td>
</tr>
<tr>
<td>8</td>
<td>Lesson: Describing SAP UI Technologies</td>
</tr>
<tr>
<td>9</td>
<td>Unit 5: Communication and Integration Technologies</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Describing Remote Function Calls and BAPIs</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Explaining Cross-System Business Processes</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Explaining HTTP Based Communication</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Describing Web Services</td>
</tr>
<tr>
<td>9</td>
<td>Lesson: Describing SAP Gateway</td>
</tr>
<tr>
<td>11</td>
<td>Unit 6: Application Lifecycle Management</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Describing Application Lifecycle Management</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Implementing Business Processes and Installing SAP Systems</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Describing Business Process Operations</td>
</tr>
<tr>
<td>11</td>
<td>Lesson: Maintaining SAP systems</td>
</tr>
</tbody>
</table>

© Copyright. All rights reserved.
<table>
<thead>
<tr>
<th>Unit 7: SAP Portfolio Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Lesson: Explaining the Role of SAP NetWeaver</td>
</tr>
<tr>
<td>13 Lesson: Describing the SAP Software Portfolio</td>
</tr>
<tr>
<td>13 Lesson: Describing the SAP Release Strategy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit 8: SAP Support Portal and SAP Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Lesson: Describing SAP Support Portal</td>
</tr>
<tr>
<td>15 Lesson: Describing the SAP Community</td>
</tr>
</tbody>
</table>
Course Overview

TARGET AUDIENCE
This course is intended for the following audiences:

• Systems Architect
• Technology Consultant
• Developer IT Administrator IT Support
• Developer
Lesson 1: Describing the Architecture of SAP Systems

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

• Describe the architecture of an SAP system
Lesson 1: Describing SAP GUI and SAP LOGON

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

- List the different variants of the SAP GUI
- Log on to the SAP system successfully
- Log off from the SAP system successfully

Lesson 2: Describing SAP GUI Functions, Help, and Personalization

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

- Use various methods to start SAP system functions
- Create a list of favorites
- Use the help functions
- Describe the standard menus "System" and "Help"

Lesson 3: Describing Navigation using a Web Browser

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

- Successfully log on to an AS ABAP-based SAP system using a web browser
- Successfully log on to an AS Java-based SAP system using a web browser

Lesson 4: Describing SAP Business Client

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

- Describe SAP Business Client

Lesson 5: Describing SAP Fiori
Lesson Objectives
After completing this lesson, you will be able to:

- Explain the concept of SAP Fiori
- Use apps in the SAP Fiori launchpad

Lesson 6: Describing the SAP Enterprise Portal

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

- Describe the purpose of SAP Enterprise Portal
- Describe the screen elements of SAP Enterprise Portal
Lesson 1: Explaining the Basic Architecture of SAP NetWeaver AS

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

- Define the term instance/application server
- Name the processes of the SAP NetWeaver Application Server

Lesson 2: Describing AS ABAP

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

- Describe how requests to AS ABAP are processed
- List the AS ABAP processes and describe their purpose

Lesson 3: Describing AS Java

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

- Describe how requests to AS Java are processed
- List the AS Java processes and describe their purpose
Lesson 1: Describing the Data Structure of an SAP System and Software Logistics

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

- Describe the data structure of the AS ABAP
- Explain the basics of software logistics for SAP systems based on AS ABAP
- Describe the three-system landscape recommended by SAP
- Describe the procedure for transports

Lesson 2: Accessing and Editing ABAP Repository Objects

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

- Name important tools in the ABAP Workbench
- Access ABAP Repository objects
- Write a simple ABAP program
- Explain the significance of the ABAP Dictionary
- Outline the two-level domain concept

Lesson 3: Importing Transport Requests

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

- Import transport requests
- Explain the differences between the single import and the mass import of transport requests

Lesson 4: Introducing SAP NetWeaver Development Infrastructure (NWDI) and the Transport Process for non-ABAP Applications

Lesson Objectives
After completing this lesson, you will be able to:
Lesson 5: Describing SAP UI Technologies

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

- Gain an overview on SAP UI Technologies
Lesson 1: Describing Remote Function Calls and BAPIs

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

- List various interface technologies used by SAP systems
- Describe the process for a Remote Function Call
- Explain the significance and use of business objects and their BAPIs
- Make a Remote Function Call

Lesson 2: Explaining Cross-System Business Processes

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

- Give an example for cross-system business processes
- Explain the ideas behind the ALE concept

Lesson 3: Explaining HTTP Based Communication

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

- Explain the basics of HTTP based communication with AS ABAP based SAP systems

Lesson 4: Describing Web Services

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

- Explain the basic idea of Web services

Lesson 5: Describing SAP Gateway

Lesson Objectives
After completing this lesson, you will be able to:
• Describe how to use SAP Gateway
• Test SAP Gateway services
Lesson 1: Describing Application Lifecycle Management

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

- Outline the concept of Application Lifecycle Management
- Explain the importance of the SAP Solution Manager system and the System Landscape Directory in Application Lifecycle Management

Lesson 2: Implementing Business Processes and Installing SAP Systems

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

- Describe aspects of the technical implementation of SAP systems and business processes

Lesson 3: Describing Business Process Operations

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

- List the tools in the SAP Solution Manager system for Business Process Operations

Lesson 4: Maintaining SAP systems

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

- List tools for maintaining SAP systems
Lesson 1: Explaining the Role of SAP NetWeaver

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

- Explain the basic concept of SAP NetWeaver
- Describe the central role played by the SAP NetWeaver Application Server

Lesson 2: Describing the SAP Software Portfolio

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

- List the key components of the SAP solutions

Lesson 3: Describing the SAP Release Strategy

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

- Describe the SAP software delivery process
Lesson 1: Describing SAP Support Portal

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

- List some of the services provided on the SAP Support Portal

Lesson 2: Describing the SAP Community

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

- List some of the services of the SAP Community