TS422

SAP S/4HANA Production Planning & Manufacturing Academy Part_II_1/2

PARTICIPANT HANDBOOK INSTRUCTOR-LED TRAINING

Course Version: 12

Course Duration: 10 Day(s) Material Number: 50151431

Contents

Course Overview ix 1 Unit 1: **Introduction to Production Orders** 2 Lesson: Outlining SAP Fiori and the System Landscape 11 Exercise 1: Login to SAP Systems and Access the SAP Fiori Launchpad 16 Lesson: Outlining Production Orders 23 Exercise 2: Analyze Master Data 37 Exercise 3: Create Planned Independent Requirements, Run MRP, and Convert a Planned Order 47 Unit 2: **Order Processing and Order Structure** 48 Lesson: Processing a Production Order Exercise 4: Execute a Production Order 51 Lesson: Analyzing the Order Structure 62 65 Exercise 5: Analyze the Production Order Structure 85 Unit 3: **Order Creation** 86 Lesson: Creating Production Orders 91 Exercise 6: Create Production Orders by Planned Order Conversion 103 Exercise 7: Create a Production Order with Material and Copy a **Production Order** 107 Exercise 8: Create a Production Order without Material 111 Exercise 9: Create Production Orders for Sales Orders 126 Lesson: Analyzing Master Data Selection 139 Exercise 10: Define an Order Type 145 Exercise 11: Analyze Master Data Selection 163 Lesson: Scheduling Production Orders 167 Exercise 12: Set Up and Analyze Scheduling 177 Lesson: Describing the Costing of Production Orders 179 Exercise 13: Analyze the Calculation of the Planned Costs



191	Unit 4:	Availibility Checks, Capacity Planning, Order Release and Printing
192		Lesson: Performing Availability Checks
199		Exercise 14: Set Up and Perform Material Availability Checks
225		Lesson: Discussing Capacity Planning
231		Exercise 15: Use Capacity Evaluation and Capacity Leveling Tools
248		Lesson: Releasing Production Orders
253		Exercise 16: Release Production Orders
263		Exercise 17: Define and Test a Production Scheduling Profile
271		Exercise 18: Analyze and Test a User Status Profile
281		Lesson: Printing Shop Floor Papers
285		Exercise 19: Print Shop Floor Papers
303	Unit 5:	Order Execution
304		Lesson: Performing Material Staging and Goods Issue Postings
315		Exercise 20: Post Goods Issues with the Goods Movements App
		and with the Picking List
339		Exercise 21: Stage Materials with the Pull List
353		Exercise 22: Post Goods Issues via Backflushing
359		Exercise 23: Stage Materials with KANBAN
374		Lesson: Confirming Production Orders
381		Exercise 24: Check the Customizing Settings for Confirmations
385		Exercise 25: Confirm Operations and Production Orders
425		Lesson: Posting Goods Receipts
429		Exercise 26: Post Goods Receipts
457	Unit 6:	Order Settlement, Archiving, and Deletion
458		Lesson: Performing Order Settlement
463		Exercise 27: Settle a Production Order
472		Lesson: Archiving and Deleting Production Orders
475		Exercise 28: Archive and Delete a Production Order
487	Unit 7:	Information Systems, Mass Processing, and Automation
488		Lesson: Outlining Informations Systems and Reporting
491		Exercise 29: Analyze Production Data with the Order Information System
494		Lesson: Outlining Mass Processing and Automation
499		Exercise 30: Get an Overview of the Mass Processing Functions
501		Exercise 31: Execute a Trigger Point
509		Lesson: Outlining the Data Exchange with the Process Control Level

519	Unit 8:	Further and Advanced Functions
521		Lesson: Outlining SAP S/4HANA Manufacturing for Production
		Engineering and Operations
530		Lesson: Performing Order Splits
535		Exercise 32: Split Production Orders
551		Lesson: Creating Shift Notes and Shift Reports
559		Exercise 33: Create Shift Notes and Shift Reports



TS422

SAP S/4HANA Production Planning & Manufacturing Academy Part_II_2/2

PARTICIPANT HANDBOOK INSTRUCTOR-LED TRAINING

Course Version: 12

Course Duration: 10 Day(s) Material Number: 50151431

Contents

ix	Course Overview	
1	Unit 1:	Overview of Production Execution
2 5		Lesson: Outlining Production Types Exercise 1: Login to the SAP Systems and Access the SAP Fiori Launchpad
13	Unit 2:	Production with Process Orders
14 59 83		Lesson: Exploring Process Orders: Characteristics and Execution Exercise 2: Analyze Master Data Exercise 3: Create Planned Independent Requirements and Run MRP
91		Exercise 4: Schedule a Planned Order Conversion Run and Display Process Orders Exercise 5: Execute Process Orders
127	Unit 3:	Production with Repetitive Manufacturing
128		Lesson: Exploring Repetitive Manufacturing: Characteristics and
		Execution
143		Exercise 6: Analyze Master Data
153		Exercise 7: Create Planned Independent Requirements and Run MRP
163		Exercise 8: Schedule Line Loading
173		Exercise 9: Execute Repetitive Manufacturing
185	Unit 4:	Material Staging with Kanban
186		Lesson: Exploring Kanban: Characteristics and Execution
197		Exercise 10: Create Master Data
201		Exercise 11: Trigger Material Replenishment
215	Unit 5:	Introduction
216		Lesson: Outlining SAP Fiori and the System Landscape
221		Exercise 12: Login to the SAP Systems and Access the SAP Fiori Launchpad
226		Lesson: Outlining S/4HANA Capacity Planning
235		Exercise 13: Create Planned Independent Requirements, Run MRP and Evaluate Capacity Requirements
245		Exercise 14: Analyze Master Data Relevant for Capacity Planning



255	Unit 6:	Capacity Evaluation
256		Lesson: Evaluating with the Work Center Load Report
271		Exercise 15: Evaluate Capacities Using the Work Center Load
		Report
280		Lesson: Using Further Capacity Evaluation Reports
287		Exercise 16: Evaluate Capacities Using Further Evaluation
297		Reports Lesson: Outlining the Manage Work Center Capacity App
231		Lesson. Outlining the Manage Work Center Capacity App
301	Unit 7:	Capacity Leveling: Tabular Planning Table
302		Lesson: Navigating the Tabular Planning Table
309		Exercise 17: Navigate the Tabular Planning Table
323		Lesson: Dispatching Operations in the Tabular Planning Table
327		Exercise 18: Dispatch Operations in the Tabular Planning Table
345	Unit 8:	Capacity Leveling: Graphical Planning Table
347		Lesson: Navigating the Graphical Planning Table
351		Exercise 19: Navigate the Graphical Planning Table
363		Lesson: Using Basic Scheduling and Dispatching Controls Settings
371		Exercise 20: Check Basic Scheduling and Dispatching Control Settings
395		Lesson: Using Additional Scheduling Control Settings for Interactive
		Planning
401		Exercise 21: Check Additional Scheduling Control Settings for Interactive Planning
418		Lesson: Using Floats to Limit Dispatching
423		Exercise 22: Use Floats to Limit Dispatching
446		Lesson: Using Period Splits in Dispatching
449		Exercise 23: Use Period Splits in Dispatching
468		Lesson: Using Dispatching Sequences and Methods for Setup Time Optimization
473		Exercise 24: Use Dispatching Sequences and Setup Time Optimization
491		Lesson: Dispatching and Rescheduling with Production Versions
495		Exercise 25: Dispatch with Production Versions

513	Unit 9:	Further Capacity Planning Topics
514		Lesson: Dispatching and Deallocating Operations Using Background
		Processing
517		Exercise 26: Dispatch and Deallocate Operations Using
		Background Processing
526		Lesson: Modelling Down times in Capacity Planning
529		Exercise 27: Model Downtimes in Capacity Planning

