

R12 Oracle Process Manufacturing Process Execution - Self-Study Course

Duration: 0 Days

What you will learn

This course teaches you to use OPM Process Execution application. You learn to create and edit firm planned orders, create, edit, and process production batches, reserve ingredients and products, create material transactions, perform incremental backflushing, and run and view online inquiries and reports. You also learn how to record the actual consumption of nonmaterial resources, such as labor, machine time, and utilities associated with a production batch. This course also teaches you to use the Ingredient Picking, Production Scheduler Workbenches, integrate Process Execution to Warehouse Management Systems, and Mobile Supply Chain Applications.

Learn to:

Process production batches

Set up Process Execution

Plan the production schedule with information from the process planning applications

Create and edit firm planned orders and batches

Convert firm planned orders into single or multiple production batches

Schedule production batches

Audience

Business Analysts

End Users

Functional Implementer

Project Manager

Sales Consultants

Support Engineer

Technical Consultant

Prerequisites

Required Prerequisites

OPM Product Development Release 12

Oracle Bill of Materials Release 12

Oracle Inventory Release 12

Course Objectives

Set up Process Execution

Plan the production schedule with information from the process planning applications

Create and edit firm planned orders and batches

Convert firm planned orders into single or multiple production batches

Schedule production batches

Reserve ingredients and products in batch production

Process production batches

- Move material to production staging area
- Record actual ingredient usage
- Perform ingredient picking
- Perform incremental backflushing
- Record actual resource usage
- Reopen, unrelease, cancel, and terminate batches
- Complete and close production batches
- Record actual product production quantities
- Process resources and materials by step

Course Topics

Using Oracle Process Manufacturing Process Execution

- List the advantages of using Oracle Process Manufacturing (OPM) Process Execution
- Identify tasks and responsibilities
- Understand the process flow

Setting Up OPM Process Execution

- Understand the inventory organization structure
- Set up other applications for Process Execution
- Set up parameters and profile options in Process Execution
- Set up responsibilities and security profiles

Using the Process Execution Workbench

- Navigate OPM Process Execution using the standard menu and the hierarchical navigator workbench
- Use the workbench
- Use custom views

Creating Firm Planned Orders and Batches

- Describe firm planned orders (FPOs) and batches
- Differentiate between FPOs and batches
- Convert an FPO to a batch
- Explain how to create FPOs and batches

Considering the Stages of Batch Processing

- Release and unrelease a batch
- Cancel, reschedule, and reroute a batch and firm planned order
- Complete a batch and revert a batch to WIP
- Close and reopen a batch
- Terminate a batch
- Explain how Process Execution and MES are integrated

Understanding Material Reservations and Transactions

- Create high and detailed level reservations
- Understand the process of material movement on the shop floor
- Understand material transactions and exceptions
- Understand move orders and pending product lots
- View inventory shortages

Scaling a Batch and Firm Planned Order

- Scale a batch or FPO

Explain the Contribute to Yield indicator

Differentiate among scale types

Creating Phantom Batches

Explain phantoms

Differentiate between automatically and manually exploding a phantom item

Create a phantom batch

Using Batch Steps

Explain the advantages of batch step control

View batch step activities, resources, and resource transactions

Explain item step associations and batch step dependencies

Explain charges, activity factors, and process parameters

Using the Ingredient Picking Workbench

Explain the ingredient picking process

Explain how ingredient picking is integrated with Oracle Warehouse Management

Pick release a batch

Using the Production Scheduler Workbench

Describe the Production Scheduler Workbench

Describe the Navigator and Gantt chart

View object properties

Reschedule batches, FPOs, and steps

Backflush a Batch

Explain incremental backflushing

Explain consumption and yield type

Explain how actual quantities are calculated through backflushing

Perform incremental backflushing

Understanding Process Loss and Scrap

Explain process loss and scrap

Explain the setup process for process loss and scrap percentages

Understand the process loss and scrap factor calculations

Using Process Execution Reports and Inquiries

Identify Process Execution reports and inquiries

Run and view reports

Initiate inquiries

Run concurrent programs

Using E-Records and E-Signatures

List the Process Execution e-record and e-signature events

Explain creation and approval of events