R12 Oracle Process Manufacturing Product Development - RWC

Duration: 0 Days

What you will learn

This course introduces tasks required to manage production of a product using the Oracle Process Manufacturing Product Development application. Students are shown how to set up responsibilities, formula security, version control, resources, formula classes, process operation classes, process routing classes, activities, and how to enter formulas and recipes. This course provides an explanation of formula scaling, and shows students how to enter process operations, activities, and process routings, and use mass search, and replace the recipe components. Students also learn to enter formulas and recipes using the Routing Designer, Recipe Designer, and Least Cost Formulation. The Formula Analysis topic explains how to set up technical classes and subclasses. You can also perform formula simulation and optimization using the Simulator and Optimizer tools. Set up laboratory organizations, technical parameters and sequence technical parameters, item technical data, ingredient substitution, and common inventory for product development.Learn To:Create and maintain formulas with ingredient substitution listsDefine and maintain process operationsDefine and maintain process routingsPerform formula simulations and optimizations Define and maintain Technical Parameters, Technical Parameter sequences, Item Technical data, and Technical Classes and SubclassesRecipe Management

Audience
Business Analysts
End Users
Functional Implementer
Sales Consultants
Support Engineer
Technical Consultant

Prerequisites
Suggested Prerequisites
The Oracle Applications graphical user interface knowledge.
Oracle Inventory
The principles and customary practices of process manufacturing industry
Oracle Process Manufacturing Cost Management
Best Process Manufacturing practices
Oracle Process Manufacturing Bill of Materials

Course Objectives
Set up and use formula security and version control
Set up Product Development Parameters
Define and maintain Technical Parameters
Define and maintain Technical Parameter sequences
Create and maintain formulas with item substitution lists
Define and maintain process operations
Perform formula simulations and optimizations
Generate Least Cost Formulations
Understand OPM Product Development workflows
Understand OPM Product Development E-Records

List the OPM Product Development APIs
Analyze formulas
Define and maintain process routings
Define and maintain recipes
Use the routing and recipe designer
Display theoretical process loss

Product Development Overview
Understand the product development application
Describe the benefits of product development
Describe navigation and workbenches
Describe formulas
Describe ingredient substitution lists
Describe formula security, analysis, simulation, and optimization
Describe least cost formulation
Use E-records, E-signatures, and Engineering Items

Product Development Setup
Set up product development organizations and parameters
Set up laboratory organizations and status codes
Describe and use version control
Describe prerequisite setup
Describe resources
Set up formula, process operation, and process routing classes
Set up theoretical process loss
Describe process loss

Formula Security
Understand formula security
Describe formula security responsibilities
Assign product development formula security access
Set up formula security profiles
Assign formula security profiles automatically
Assign formula security profiles manually

Formula Management - Part 1
Describe formulas
Create a new formula
Edit formula product and ingredient lines
Copy a formula
Describe formula phantoms
Describe a formula byproduct type
Scale formulas
Display an indented bill of materials report

Formula Management - Part 2
Understand mass search and replace
Set up mass search and replace
Perform mass search and replace

Understand ingredient substitution
Create and manage ingredient substitutions
Set up the ingredient substitution status change approval workflow
Find formulas for ingredient substitution
Find ingredient substitution lists

Formula Simulation
Describe computer-aided formulation
Set up computer-aided formulation
Set up technical parameters with quality tests
Load formulas or batches into the Simulator
Use the Simulator
Update formulas using the Simulator
Blend batches using the Simulator
Update batches using the Simulator

Formula Optimization
Use the Optimizer
Optimize formulas and batches
Use the Workpad
Using the Allocations window
Optimize ingredient quantities based on actual ingredient lot parameters
Recalculate ingredient quantities and parameters to meet product targets
Use the buffer indicator

Process Operations
Describe process operations benefits
Define process operations, activities, and activity factors
Enter process operation activity details
Enter activity resource details
Enter valid date ranges
Describe process parameters

Process Routings
Describe process routings benefits
Define process routings
Display the process routings summary
Enter process routing details
Display the Process Routing Step Line Summary
Edit process routing step lines
Describe and enter process routing step dependencies
Describe the Process Routing Designer

Recipe Management
Describe the benefits of recipe management
Understand recipes
Describe the recipe structure
Define and maintain recipes
Describe the Recipe Designer and its components
Understand automatic generation of the recipe and validity rule
Use the process instruction sheet pane
Describe enhanced process instructions

Formula Analysis
Set up technical classes and subclasses
Describe formula analysis
Display formula analysis results
Find a formula analysis
Set up laboratory organizations
Describe technical parameters, and technical parameter sequences
Enter item technical data

Least Cost Formulation
Understand Least Cost Formulation Benefits
Describe Least Cost Formulation
Set Up Least Cost Formulation
Create and display a New Formula Specification
Enter a New Requirement
Generate a Least Cost Formulation

Product Development Workflows and E-record Events
Understand status change approval workflows
Describe product development status change approval workflows
Describe product development status change approval e-records and e-signatures
List product development e-record events