(24C) Oracle SCM Cloud: Manufacturing Foundation

Oracle Supply Chain Management (SCM) Cloud

DURATION	MODULES	COURSE CODE
2 Days	**7 Lectures**	**—**

Course Overview

(24C) Oracle SCM Cloud: Manufacturing Foundation Ed 2

What You Will Learn

I Introduction to Manufacturing OMBP – Production Order to Cost Update Production Order to Cost Update

Introduction to Manufacturing

- Learning Objectives
- Topics
- Introduction to Oracle Fusion Cloud Manufacturing
- Topics
- Functional Architecture
- Topics
- Capabilities of Oracle Manufacturing
- Setting Up Manufacturing Plant Data
- Capabilities of Oracle Manufacturing
- Monitor and Manage Production
- Capabilities of Oracle Manufacturing
- Execute Production
- Benefits of Oracle Manufacturing
- Use Deep Links to Speed Navigation
- Topics
- Oracle Manufacturing Business Processes
- Summary

Manufacturing Setup

- Learning Objectives
- Topics

- Oracle Manufacturing Setup
- Topics
- Manufacturing Plant Setup
- Plant Parameters: Plant Details Tab
- Plant Parameters: Work Definition and Work Execution Tabs
- Plant Security: Roles
- Plant Security: Data Access
- Topics
- Manufacturing Plant Profile Options
- Other Manufacturing Plant Profile Options
- Production Lookups
- Descriptive Flexfields
- Topics
- Work Definition Overview Page
- Work Areas
- Resources
- Work Centers
- Work Center Resource Availability
- Resource Instances
- Topics
- Integrate Oracle Manufacturing With IoT Production Monitoring
- Topics
- Standard Operations
- Capturing E-Signatures and E-Records for Standard Operations
- Enable Audit Trail for Standard Operations
- Topics
- Manage Production Calendar
- Override Plant-Level Calendar
- Shift Exceptions
- Manage Work Center Resource Calendar
- Work Center Resource Exception
- Topics
- Manage Work Order Statuses
- Topics
- Oracle Social Network Setup
- Practices: Overview
- Summary

Setting Up Other Applications for Use With Manufacturing

- Learning Objectives
- Topics
- Create and Manage Outside Processing Service Item
- Mapping Set Rules
- Suppliers and Supplier Sites
- Blanket Agreement

- Topics
- WIP Inspection Plan
- WIP Inspection Plan Specifications
- WIP Inspection Criteria
- Topics
- Overview of Oracle IoT Production Monitoring Cloud Service
- Setup IoT Production Monitoring Integration in Oracle Manufacturing
- Setup Oracle Manufacturing Integration in IoT Production Monitoring
- Synchronization of Entities
- Topics
- Setup Item Catalog with Content Items
- Adding Content Sections to Profile types
- Adding Requirements to Job profile
- Add Skills & Qualifications to Employee Profile
- Topics
- Setup Qualification Requirements
- Setup Qualification Profiles
- Add Qualification Records to Asset Number
- Demonstrations: Overview
- Summary

Manage Work Definitions

- Learning Objectives
- Topics
- Overview of Work Definitions
- Manage Work Definitions
- Create Work Definition Flow
- Topics
- Work Definition Names
- Topics
- Create Work Definition Header: Discrete
- Create Work Definition Header: Process
- Work Definition Operations
- Work Definition Supplier Operations
- Work Definition Operation Outputs
- Work Definition Operation Items
- Operation Item Supply Types
- Work Definition Operation Resources
- Item Revision and Date
- Create a Work Definition from an Existing Work Definition: Discrete
- Create a Work Definition from an Existing Work Definition: Process
- Search Within a Work Definition
- ATO Model Work Definitions
- Automatic Work Definitions
- Delete a Work Definition

- Deactivate a Work Definition
- Reactivate a Work Definition
- Topics
- Import Work Definitions
- Topics
- Work Definition Report
- Work Definition Report: Discrete
- Work Definition Report: Process
- Topics
- Lead Time Calculation Scheduled Process
- Calculate Manufacturing and Cumulative Lead Time
- Topics
- Process Item Structure Changes to Work Definitions
- Worklist Notification for Item Structure Changes
- Topics
- Work Definition Versions
- Topics
- Capturing E-Signatures and E-Records for Work Definition Management
- Topics
- Enable Audit Trail for Work Definitions
- Enable Audit Trail for Work Definitions – Search
- Topics
- Data Security for Work Definitions
- Define Custom Conditions
- Before Enabling Data Security...
- Enabling Data Security for Work Definitions
- Practice: Overview
- Summary

Manage Work Orders

- Learning Objectives
- Topics
- Overview of Work Execution
- Overview of Work Execution Work Area
- Overview of Work Execution Area
- Topics
- Production Order to Cost Update
- Overview of Manufacturing Work Orders
- Topics
- Manage Work Orders Process Flow
- Manage Work Orders
- Capturing E-Signatures and E-Records for Manufacturing Work Order Release
- Search and Display Work Orders
- Standard Discrete Work Order
- Create Standard Work Order: Discrete

- Standard Process Work Order
- Create Standard Work Order: Process
- Create Nonstandard Work Order: Discrete
- Create Rework Work Order: Discrete
- Create Transform Work Order: Discrete
- Edit Discrete Work Order: General Information
- Edit Process Work Order: General Information
- Preassign Output Lot Numbers to Process Work Orders
- Edit Work Order Operations
- Work Order Operations List View
- Standard Work Order Created from Automatic Work Definition
- Work Order Operation Details
- Work Order Operation Items
- Work Order Operation Item Substitutes
- Procure Materials Directly for Work Orders
- Work Order Operation Resources
- Work Order Operation Outputs
- Scale Process Manufacturing Work Order
- Schedule Work Orders
- Create Work Order for Serialized Manufacturing
- Preassign Output Lot Numbers to Discrete Work Orders
- Assign Serials to Work Order
- Topics
- Work Order Reservations
- Work Order Exceptions
- Work Order History
- Production Order to Cost Update
- Pick Materials for Work Orders
- Pick Reserved Assemblies for Rework Work Order
- Reserve Materials for Work Orders
- Pick Materials for Work Orders Using the Scheduled Process
- Topics
- Import Work Orders
- Topics
- Enable Audit Trail for Work Orders
- Topics
- Work Order Components List
- Topics
- Work Order Synchronization
- Monitor Work Orders in IoT
- Synchronization Error Handling
- Demonstrations: Overview
- Practices: Overview
- Summary

Material Availability Workbench

- Learning Objectives
- Topics
- Overview of Material Availability Workbench
- Prioritize Work Orders Based on Material Availability Rules
- Identify Work Orders with Material Shortages
- Identify Subassemblies On-Hand for Shortages
- Replace Items with Substitutes in Work Order
- Reassign Available Materials for Work Order Prioritization
- Change the Status of Work Orders Based on Material Availability
- Pick Materials for Work Orders Via Material Availability Assignments
- Manage Item Substitution During Work Order Execution
- Summary

Execute Production

- Learning Objectives
- Topics
- Overview of Production Execution
- Topics
- Overview of Review Dispatch List
- Features of Review Dispatch List
- Resequence Work Order Operations Using the Dispatch List
- Work Order Traveler
- Extensible Work Order Traveler
- Print Labels
- Topics
- Production Order to Cost Update
- Report Production Transactions and Collect Inspection Results
- Operation Transactions: Quick Complete Action
- Quick Complete for Non-Serial Tracked Operations Without Inspection
- Quick Complete Action for Non-Serial Tracked Operations with Inspection
- Quick Complete Action for Non-Serial Tracked Operations With Inspection
- Quick Complete for Serial Tracked Operations With Inspection
- Operation Transactions: Complete with Details Action
- Complete with Details Action: Non-Serial Tracked Operations
- Complete with Details Action: Serial Tracked Operations
- Validate Operation Completion During Production
- Validate Operator Qualification During Execution
- Create Ad-Hoc WIP Inspection and Enter Inspection Results From
- Dispatch List
- Create, Update, and View Inspection Results
- Production Order to Cost Update
- Report Output Items for Process Work Orders
- Production Order to Cost Update
- Report Material Transactions

- Validate Material Issues
- Report Resource Transactions
- Demonstration: 7-1
- Demonstration: 7-2
- Practice: 7-1
- Topics
- Automatically Report Production Using IoT Production Monitoring Cloud
- Topics
- Overview of Outside Processing
- Manage and Execute Supplier Operations Flow
- Manage and Execute Supplier Operations
- Monitor and Review Supplier Operation Details
- Practice: 7-2
- Topics
- Review Product Genealogy
- Manufacturing Transaction History
- Practice: 7-3
- Topics
- Report Orderless Transactions
- Topics
- Review Production Transactions
- Capturing E-Signatures and Generating E-Records for Production
- Transactions
- Topics
- Report and Manage Production Exceptions
- Report Exceptions
- Manage Exceptions
- Exceptions Details Page
- Capture E-Signatures and E-Records for Production Exceptions
- Demonstration: 7-3
- Topics
- Production Order to Cost Update
- Transfer Production Transactions to Costing
- Topics
- File-Based Import of Production Transactions
- Topics
- Close Work Orders
- Summary