

R12.2.9 Oracle Warehouse Management Fundamentals

Oracle E-Business Suite

DURATION

5 Days

MODULES

6 Lectures

COURSE CODE

—

Course Overview

Describe and process inbound logistics tasks. Describe warehousing features. Describe and process outbound logistics tasks. Set up and define rules using the rules engine framework. Use planned and opportunistic crossdocking. Create, plan, release and monitor waves.

What You Will Learn

Overview

- Objectives
- Agenda
- What Is a Warehouse?
- Processes of a Warehouse
- Additional Product Requirements
- Warehouse Management Application Hierarchy
- Inventory, Warehouse Management and MSCA
- Radio Frequency Devices
- Overview of Inbound Logistics
- Reverse Logistics
- Overview of Picking Logistics
- Overview of Outbound Logistics
- Value Added Services
- Storage and Facility Management
- Oracle Mobile Applications Architecture
- License Plate Numbers (LPNs)
- Nesting LPNs
- Generating LPNs
- LPN Context
- LPN Material Status
- Subinventory and Locator Material Status

- Lot and Serial Attributes
- Cost Groups
- Cost Group Assignment
- Task Assignment
- Rules and the Rules Engine
- Rules Engine Uses
- Material Allocation Example
- Allocation Decision Tree
- Rules Setup
- Defining Rules: Restrictions
- Defining Rules: Sort Criteria
- Defining Rules: Default
- Strategies
- Task Type, Label Format, and Operation Plan Selection Rules
- Consistency Requirements
- Rules Simulation
- RFID Technology
- Labeling
- Label Types
- Label Formats
- Assigning Label Types to Business Flows
- Summary

Inbound Logistics

- Objectives
- Agenda
- Overview of Inbound Logistics
- Receiving Flows or Routings
- Subinventories
- Locator Types
- Receiving Locators
- Consolidation Locators
- Staging Lanes
- Setting Up Staging Lanes
- Dock Doors
- Setting Up Dock Doors
- Staging Lane to Dock Door Relationship
- Setting Up Staging Lane to Dock Door Relationships
- Staging and Consolidation
- Loading and Shipping
- Document Based Receiving
- Item Based Receiving
- Receiving Methods
- Direct Receipt Flow
- Standard Routing Flow

- Inspection Routing Receipt
- Express Receipt Flow
- Express Receipts
- Mixed Receipt Routing
- Mobile Receiving Options
- Unavailable Mobile Receiving Options
- LPN Receipts
- Lot and Serial Receiving
- Automated Matching of Received Material
- Automated Matching of Material Received
- Receiving - GTINs
- GTIN Setup
- Receiving Open Interface
- Purchasing Versus Quality Inspection
- Standard Inspection
- Quality Inspection
- Inspection Storage Requirements
- Returns
- Cost Groups
- System Assigned Cost Groups
- Cost Groups Setup
- Commingling
- Put Away Rules
- Restrictions and Sort Criteria for Put Away Rules
- Setting Up Put Away Rules
- Setting Up Put Away Rules: Define Rules
- Setting Up Put Away Rules: Define Strategies
- Setting Up Put Away Rules: Assign Strategies to Business Objects
- Put Away
- Put Away Load
- Put Away Drop
- Put Away Drop - Nested LPN
- Item Based Put Away
- Cross Docking Put Away
- Cross Docking to Outbound Staging Flow
- Cross Docking to WIP Staging Flow
- Cross Docking to WIP Issue Flow
- Advanced Task Framework (ATF)
- ATF Capabilities
- ATF Concepts
- ATF Example
- ATF Setup
- ATF - Zones : Setup
- ATF Operation Plan Setup
- Summary

Warehousing Features

- Objectives
- Agenda
- Compliance Labeling
- Warehouse Management versus Partner Label Printing Responsibilities
- Label Printing Components
- Label Formats
- Label Types
- Setup
- Registering Label Formats
- Assigning Label Types to Business Flows
- Label Format Assignment Rules
- Defining and Assigning Printers
- Viewing Label Requests
- Task Management
- Task Types
- Setting Up Task Type Rules
- Task Dispatch Engine
- Resource Skills
- Available Equipment and Resources
- WMS Control Board
- Task Status
- WMS Control Board
- Exception Management
- Task Setup Steps
- Task Type Implementation Considerations
- Distributed Warehouse Management
- Distributed Warehouse Management Architecture
- How the Integration Works
- Mobile Personalization
- Mobile Personalization Setup
- Labor Management
- Resource Planning
- Labor Productivity
- Definitions
- Setting Up Labor Management
- Labor Management Process
- Summary

Outbound Logistics

- Objectives
- Agenda
- Overview of Outbound Logistics
- Overview of Picking

- Sales Order Picking
- Replenishment Picking
- WIP Picking
- Pick Release Process
- Components of Pick Release
- Over Allocation For Pick Release
- Overview of Picking Rules
- Release Sequence Rules
- Pick Slip Grouping Rules
- Release Rules
- Cross Docking
- Pick Methodologies
- Picking Rules Order Allocation
- Rules Engine Framework
- Components of the Rules Engine
- Picking Rules
- Task Type Assignment Rules
- Rules Definition – Directed Picking
- Allocation Modes
- Allocation Modes: No LPN Allocation
- Allocation Modes: No LPN Allocation, Prioritize Pick UOM
- Allocation Modes: Allocate LPN and Loose
- Allocation Modes: Allocate Entire LPN Only
- Allocation Modes: Strict Pick UOM
- Strict Pick UOM Allocation
- Automated Task Dispatch, Allocation and Assignment
- WMS Control Board
- Advance Pick Load
- Advanced Pick Load Setup
- Advanced Pick Load Page Setup
- Advanced Pick Load Use
- Advanced Pick Load – Task Setup
- Advanced Pick Load Menu Setup
- Advanced Pick Load Exceptions
- Advanced Pick Load – Execution
- Replenishments in a Warehouse
- Replenishment Challenges
- Pull Replenishment
- Push Replenishment
- Catch Weight Description
- Catch Weight Benefits
- Catch Weight Item Setup
- Catch Weight Setup
- Catch Weight Use
- Consolidation
- Consolidation Setup

- Consolidation Inquiry
- Cartonization
- Packing
- Packing Workbench Flow
- Eligible Material
- Mobile Packing
- Packing Workbench and Outbound Logistics
- Packing Workbench and Inbound Logistics
- Packing Initialization
- LPN Pack
- LPN Unpack
- LPN Split
- LPN Reconfiguration
- LPN Close
- DFI and the Packing Workbench
- Overview of Shipping
- Trips and Trip Stops
- Ship Confirmation
- Direct Ship
- Direct Shipping
- Dock Door Ship
- LPN Ship
- Quick Ship
- Shipment Planning
- Dock Door Appointments
- Summary

Wave Planning

- Objectives
- Agenda
- Overview of Wave Planning
- The Wave Planning Process
- Creating a Wave
- Release Criteria
- Wave Templates
- Planning a Wave
- Labor Planning
- Setting Up Labor Planning
- Wave Planning Results
- Releasing a Wave
- Monitoring Waves
- Monitoring Warehouse Activity
- Summary

- Objectives
- Overview of Inventory Accuracy
- Overview of ABC Analysis
- Defining an ABC Analysis
- Defining and Running an ABC Compilation
- ABC Compilation Criteria
- ABC Valuation Scope
- Defining ABC Classes
- ABC Item Assignments
- Cycle Counting Overview
- Defining and Maintaining a Cycle Count
- Cycle Count Approval Tolerance
- Approval Tolerances
- Hit/Miss Report
- Measurement Errors
- Cycle Count Items
- Automatic Scheduling
- Count Requests
- Entering Cycle Counts
- Count Adjustments and Approvals
- Automatic Recounts
- Approving Cycle Counts and Adjustments
- Overview of Mobile Inventory Accuracy
- Manual Scheduling
- Opportunistic Cycle Counting
- Opportunistic Cycle Counting Setup
- Accuracy Reports
- Summary