

80310: LEAN Manufacturing In Microsoft Dynamics AX 2012

Course Details

Course Outline

1. Concepts and Overview

- Objectives
- Introduction
- Core Concepts
- The Value Stream
- Introduction to Production Flows
- Introduction to Kanbans
- Simple Production Flow
- High Level Production Flow
- Setup and Interconnectivity
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

2. Production Flows

- Objectives
- Introduction
- Production Flow Versions
- Takt and Cycle Times
- Activities Setup
- Single Transfer Activity Production Flow
- Two Activity Production Flow: Process and Transfer
- Activity Relations
- Multiple Activity Scenarios
- Inventory Integration
- Semi-Finished
- Costing Implications
- Summary
- Test Your Knowledge

- Quick Interaction: Lessons Learned
- Solutions

3. Use and Manage Kanbans

- Objectives
- Introduction
- Kanban Types
- Kanban Replenishment Strategies
- Subcontracting Activities and Manufacturing Kanbans
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

4. Fixed Quantity Kanbans

- Objectives
- Introduction
- Kanban Rule Setup
- Kanban Job Planning
- Kanban Printing
- Kanban Processing - Process Jobs
- Kanban Processing - Transfer Jobs
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

5. Event Kanbans

- Objectives
- Introduction
- Kanban Rule Setup
- Sales Line Events
- Capable to Promise
- Kanban Line Event
- BOM Line Event
- Stock Replenishment Event

- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

6. Scheduled Kanbans

- Objectives
- Introduction
- Planned Orders of Type Kanban
- Supply Schedule
- Kanban Rule Setup
- Planning Scheduled Kanbans
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

7. Activity Based Subcontracting

- Objectives
- Introduction
- Subcontracting Vendor Payments
- Resource Group/Work Cell
- Production Flow with Subcontracting Activities
- Subcontracting as an Alternate Resource
- Cost Accounting of Subcontracted Services
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

8. Production Flow Costing

- Objectives
- Introduction
- Backflush Costing
- Standard Cost Requirement
- Components for Lean Manufacturing

- Reporting Production Flow Activities
- Subcontracting
- Backflush Costing
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

9. Kanban Quantity Calculations

- Objectives
- Introduction
- Kanban Quantity Calculation Policies
- Calculating Kanban Quantities
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions