

Plan de formation

LEAN Manufacturing in Microsoft Dynamics AX

Objectif

This course provides students with a detailed overview of the Lean Manufacturing module in Microsoft Dynamics AX. It provides a description of the main features and processes used to run lean manufacturing and includes detailed labs, scenarios, examples, and demonstrations that range from understanding and configuring different types of Kanbans, to subcontracting and setting up production flow costing.

Durée

4 jours (28 heures)

Prérequis

Before attending this course, students must have:

- Basic Knowledge of Lean Manufacturing principles and processes.
- Knowledge of Microsoft Dynamics AX Production.
- Knowledge of Microsoft Dynamics AX Trade and Logistics.

Profil du stagiaire

This course is intended for:

- Partners, consultants, presales consultants, and professionals that have a moderate understanding of basic Lean Manufacturing concepts and production processes.

Plan de formation

Module 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

Module 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

Module 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

Module 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

Module 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

Module 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

Module 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

Module 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

Module 9: Kanban Quantity Calculations

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