Content Profile

Advanced Planning & Scheduling

Learning Experience for DELMIAWorks

Our self-paced, virtual and extensive portfolio contains several modules regarding:

Advanced Planning & Scheduling (APS)

The DELMIAWorks Manufacturing scheduling and Production Planning software modules go beyond just production scheduling. The powerful and flexible system is updated in real time from events occurring throughout the supply chain as well as within the Manufacturing software and ERP software system to help you quickly, efficiently adopt to fluctuations in customer demands, and meet delivery requirements.

DS DASSAULT SYSTEMES

Capable to Promise

The detailed CTP/ATP tool is an all-encompassing analysis of operating hours, production and manufacturing time requirements, machine availability, labor capacity, tooling readiness, and materials required. By combining all aspects of what is required to manufacture a product, DELMIAWorks' CTP/ATP software module gives manufacturers better visibility into completion within seconds through all levels and across the entire supply chain. Therefore, you can respond instantly and accurately to your customers' demands based on real-time manufacturing information.

Training Content Profile (Fundamental)

In this module, you will learn about Capable to Promise in DELMIAWORKS including the two methods of accessing and executing CTP, the parameters available, and understanding the CTP Routing Diagram.

Training Content Profile (Advanced) Inventory Availability - WebIQ

This training session outlines WebIQ and the Inventory Availability Module, including the difference between what inventory is available to promise & what inventory is capable to promise, what affects the ATP (available to promise) screen, and what menu options can be used in ATP data. In addition, learn the right-click features and interpret CTP constraints.

Master Production Schedule (MPS)

Scheduling your shop floor to meet order demand and maximize production output is a complex process. That is why DELMIAWorks has developed a powerful Master Production Schedule software solution that evaluates demand from forecasts, sales orders, and dependencies with current work orders, on-hand balances, and available capacity to ensure an optimal manufacturing schedule that avoids:

Training Content Profile (Fundamental) Finite Scheduling

In this technical style module, you will learn how to access the module, understand scheduled job details, schedule a work order, utilize Auto Load to schedule work orders, edit and move work orders.

Training Content Profile (Advanced) Finite Scheduling

During this trainer led session, users will be shown how to utilize the Finite Schedule module including basic navigation, different views available, how to access the MRP engine/material exceptions list/capacity & labor planning, scheduling work orders manually, prioritizing jobs by Must Start Dates, review BOM parameters and Runs Best information and reviewing scheduling parameters.

Training Content Profile (Advanced) Finite Scheduling - WebIQ

The following training session outlines Finite Scheduling in WebIQ, including understanding the data in each section of this module, adding and removing work orders, and learning how system parameters affect scheduling. In addition, you will discover other modules that influence the schedule and learn about other helpful features such as graphic schedule, Auto load, and Capacity calculations.

DS DELMIA WORKS

DS DASSAULT SYSTEMES

Advanced Planning and Scheduling System

Scheduling your shop floor should not be a complicated affair involving long meetings every morning spent shuffling spreadsheets, only to have a new incoming order send you back to square one. With DELMIAWorks robust APS Software, start attaining an optimal schedule that minimizes downtime and ensures all the resources you need to deliver a product are in place when you need them. Schedule in seconds for a single facility or your entire organization.

Training Content Profile (Overview) ICT Intercompany Transfers

This training session outlines the Intercompany Transfer (ICT) Process in DELMIAWorks including reviewing what can be transferred, the setup and configuration for successful ICT's, and discuss how Kanban triggers can be used to generate and facilitate these transfers.

Training Content Profile (Advanced) Kanban Basics

During this trainer led session, users will be shown requirements for calculating requirements for Kanban cards for purchased and manufactured items, how to link Kanban cards to purchase orders, updating the status of Kanban cards, how to link Firm manual work orders to Kanban cards and utilizing Kanban Supermarket features.

Forecasting and Production Planning

The DELMIAWorks Forecast module ensures optimal performance to maintain customer satisfaction while maximizing profits. Real-time integration with manufacturing software and other ERP software modules including sales and inventory allows for collaborative forecasting based on actual data from throughout the enterprise. Supports multiple forecasts. Production forecasts drive capacity planning while sales analysis forecasts drive budgeting. Automatically pull current or future pricing from the inventory master table to provide accurate sales forecast numbers. Determine what materials and resources are needed, where and when to meet customer inventory and production requirements.

Training Content Profile – (Fundamental) Technical

In this module, you will learn about the Forecast module in DELMIAWORKS including the two types of forecasts available, Forecast screen options, creating a forecast, creating a forecast group and linking inventory items, Forecast parameters, generating Forecast data, setting up formulas, generating Forecast data with formulas, manually entering Forecast data and exporting Forecast data to Excel.

Training Content Profile – (Advanced) Basics

During this trainer led session, users will be shown how to utilize the Forecast module including how to generate Production and Sales Analysis forecast data, creating groups and assigning items, how to manually enter forecast data or system generate, how to generate work orders based on production forecasts and available options, reviewing material exceptions and machine/labor capacity and using the explode forecast tool.

Training Content Profile – (Advanced) Generation

This training session outlines Forecast Generation in DELMIAWorks, including the difference between Production and Sales Forecasts, how Production Forecasts generate work orders, what modules affect the Forecast module, and a demonstration of exploding forecasts and importing/exporting forecasts.

Material Requirements & Resource Planning (MRP)

The MRP System within the DELMIAWorks (formerly IQMS) Manufacturing Software accurately and effectively manages all resources and requirements necessary to meet your manufacturing demand and maintain lean inventory levels. Not only does the DELMIAWorks MRP system manage requirements for manufactured items and sub-assembly processes internally, it also manages requirements planning for production at alternate locations and through third-party vendors as well.

Rough Cut Capacity & Daily Projected Requirements

Rough cut capacity planning compares available work center time based on the shop calendar versus required hours for each machine type while the Daily Projected Requirements module, somewhat similar to the Exception list, this list shows all the materials currently being consumed by the schedule. This list shows a running daily usage and on hand balance. Selecting a particular production date will display the corresponding work orders and sales orders affected. The list can be filtered for a certain class of material, for a certain range of time, for a certain division, or for a specific Buyer Code.

Training Content Profile – (Advanced)
In this module, you will learn about MRP (Material Resource Planning) driven options including Rough Cut Capacity and Daily Projected Requirements.

Material Exception List

The material exception list displays all items that are required to meet your schedule, but show a shortage at some point during the production process. It is a very useful material planning screen because it contains not only what items are needed, but when they are needed and in what quantity. In addition, this list shows the associated work orders and sales orders demanding the item which created the material requirement.

Training Content Profile (Fundamental)
In this module, you will learn the basic functionality for the Projected Exception, Requirements on Past Due PO's, Raw Material Below Minimum, Outsource Material Below Minimum and Ideal versus Existing tabs

Daily Parts Projection

This single screen can display the projected production results by item. The key to this ability is the time phasing aspect. As each work order is scheduled, DELMIAWorks is able to report on the projected production by date. You may filter this screen to show only items on work orders and further narrow it to a specific customer. To do this click on the yellow Filter icon and select work orders.

Training Content Profile – (Fundamental)

In this module, you will learn detailed definitions for the Daily Parts Projection screen including how to access the screen and use the options available to extract useful part projection data.

Daily Material Staging Requirements

DELMIAWorks supports two views of material staging requirements, by material or by work center. To be sure of having the most current information the user can select the calculator speed button which will bring up the update schedule form from which the user can recalculate the schedule.

Training Content Profile – (Fundamental)

In this module, you will learn how to access and how to run several Material Staging reports that provide useful and important data to make material staging decisions.

In addition to the modules listed above, the Learning Experience for DELMIAWorks Portfolio offers several role based learning options for Learners to choose from:

Role Based Learning Library
MRP – Material Resource Planning

Advanced Certifications by Role
Supply Chain I Specialist
Supply Chain II (Advanced) Specialist

Role Based Track Modules
Material Handler
Inventory & Warehouse Control
Shipping Department

Licensed Learning Path
Logistics & Distribution Role
Shop Floor Role

Contact our Learning Experience Team at delmiaworks.elearning@3ds.com for more information!

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3DEXPERIENCE®

Americas

175 Wyman Street
Waltham, Massachusetts
02451-1223

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-
Dassault Systèmes K.K.
ThinkPark Tower
2-1-1 Osaki, Shinagawa-ku,
Tokyo 141-6020
Japan

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