

Manufacturing (SCM 4.0 & R/3 4.7)

COURSE DESCRIPTION: PLANNING / MANUFACTURING I

Course: TSCM20

Course Version: 043

Prerequisites

Essential

Business knowledge in the area of Supply Chain Planning & Manufacturing

Recommended

None

Duration

10 days

Goals

Discuss the concepts and business processes in the various planning areas and the manufacturing approaches in mySAP SCM.

Configure and implement SAP master data in the area of planning and manufacturing (including transfer to SAP APO)

Audience

Solution Consultants responsible for implementing Supply Chain Planning & Manufacturing with mySAP SCM.

Software

R/3 4.7

SCM 4.0

Content

Overview of mySAP Business Suite

Overview of Supply Chain Planning:

Demand Planning (APO DP)

Supply Network Planning (APO SNP)

Material Requirements Planning (R/3 MRP)

Production Planning and Detailed Scheduling (APO PP/DS)

Overview of the various types of production:

Order-controlled production with production orders and process orders

Project-oriented production with production lots

KANBAN

Maintenance and configuration of SAP master data:

Material master

Bills of material, overview of variant configuration

Work center

Routing

Production resources/tools

Change with and without history, mass change

Integration of master data between SAP R/3 and SAP SCM (APO): Architecture of integration, selection and transfer of master data as initial data transfer and change transfer

COURSE DESCRIPTION: MANUFACTURING II

Course: TSCM32

Course Version: 043

Prerequisites

Essential

TSCM20 Planning/Manufacturing I

Recommended

None

Duration

10 days

Goals

Configure and implement the basic functions of production order processing

Configure and implement the basic functions of repetitive manufacturing

Consider capacity planning options in manufacturing

Audience

Solution consultants responsible for implementing Supply Chain Manufacturing with mySAP SCM

Software

R/3 4.7

SCM 4.0

Content

Production orders:

Overview of order types and order categories

Order creation and order change

Planning interface (SAP R/3 and SAP SCM)

Order release, availability checks

Printing order documents

Material staging and withdrawal

Order control (fine-tuned control/PDC)

Confirmation of goods receipt, order settlement

Information systems (overview)

Options for automation, mass processing

Collective orders

Repetitive manufacturing:

Master data specific to repetitive manufacturing

Planning interface (SAP R/3 and SAP SCM)

Maintenance of the bucket- and line-oriented production plan using SAP R/3 and
Confirmation of goods receipt
Overview of capacity requirements planning
Overview of SAP Solution Manager

COURSE DESCRIPTION: MANUFACTURING III (CASE STUDY)

Course: TSCM34

Course Version: 034

Prerequisites

Essential

TSCM20 Planning/Manufacturing I

TSCM32 Manufacturing II

Recommended

None

Duration

5 days

Goals

Directly apply SAP knowledge you have gained in the previous courses, as well as what you have learned in this course by setting up a demo company, when you start your work as a junior consultant

Map enterprise structures, master data and business processes for an enterprise in the SAP system, and make the required system configurations

Audience

Solution Consultants responsible for implementing Supply Chain Manufacturing with mySAP SCM

Software

R/3 4.7

APO 3.1

Content

Integrated case study:

Application of knowledge gained in the previous two courses in an SAP implementation project

Implementation of a fictitious demo company in a "new" delivery client of an SAP system using predetermined business processes

Implementation in a project team along with participants from other SAP solutions

Configuration and mapping of business processes in all enterprise areas with the focus on:

Mapping of the enterprise structure

Implementation of bills of material, work centers, routings, production orders, as well as repetitive manufacturing, integration with SAP R/3, SAP APO planning, and other SAP solutions

Notes

To ensure that you retain the knowledge gained in this course and successfully complete the certification examination, we recommend that you consolidate the content in your own time after the course.

The course is held from October 1, 2005 using an SAP ECC 5.0/SAP SCM 4.1 system landscape. The course material uses version SAP R/3 Enterprise and SAP SCM 4.0, which are still valid. If the certification examination is passed, an SAP SCM 4.0 certificate is issued at the end of the basic training.