SAP SCM: Planning and Manufacturing

The SCM Planning and Manufacturing course contains the following training:

- SAP129 SAP Navigation
- TERP01 SAP ERP Introduction
- TERP02 Introduction to processes in SAP NetWeaver
- TERP51 Introduction to processes in Material Planning
- TERP52 Introduction to processes in Manufacturing Execution
- SM001 Introduction to SAP Solution Manager
- TSCM40 Planning & Manufacturing I
- TSCM42 Planning & Manufacturing II

SAP129 SAP Navigation (Course Version: 010)

Goals

- familiarize with key terms
- navigate within the SAP system.

Contents

- The SAP Navigation course is designed to familiarize learners with key terms and how to navigate within the SAP system.
- You will be introduced to the key areas of SAP screens, fields, and features.
- You will also be introduced to ways in which you can obtain additional help, modify and customize the look of your SAP system, as well as apply more advanced skills.

TERP01 SAP ERP Introduction (Course Version: 010)

This course introduces basic organizational levels and master data concepts used throughout SAP ERP. Detailed explanation of the organizational levels and master data used in the

various ERP business processes is covered in the advanced courses associated with each process area.

Goals

- Identify the organizational levels used in SAP ERP
- Explain the functions and structure of master data in supporting ERP business processes
- Identify the various levels and types of reporting available in SAP ERP

Contents

Using recorded presentations, system demonstrations, practice simulations, quizzes, and assessments you will be introduced to:

- SAP ERP organizational levels
- Functions and structures of master data throughout SAP ERP
- SAP ERP analytical and reporting solutions

TERP02 Introduction to processes in SAP NetWeaver (Course Version: 010)

This course provides an introduction to SAP NetWeaver and its components.

Goals

At the end of this course you will be able to:

- Identify the different components of SAP NetWeaver
- Explain the business process functions each NetWeaver component supports

Contents

Using recorded presentations, system demonstrations, practice simulations, quizzes, and assessments you will be introduced to:

- How SAP NetWeaver supports business processes
- The technical infrastructure components SAP NetWeaver

TERP51 Introduction to processes in Material Planning (Course Version: 010)

This course introduces SAP ERP's material planning processes

Goals

At the end of this course you will be able to:

- Identify the organizational levels and master data used by Material Planning
- Explain the importance of planning strategies on business processes
- Explain the differences between Material Requirements Planning (MRP) and Consumption-Based Planning
- Describe the steps in the material planning process
- Identify the key integration points with other ERP processes

Contents

Using recorded presentations, system demonstrations, practice simulations, quizzes, and assessments you will be introduced to:

- Organizational levels and master data used in Material Planning.
- Planning strategies and their importance to planning processes
- Difference between Materials Requirement Planning (MRP) and Consumption-based Planning
- Key integration points with Inventory Management, Sales Order Management, and Manufacturing Execution

TERP52 Introduction to processes in Manufacturing Execution (Course Version: 010)

This course introduces SAP ERP's manufacturing execution processes

Goals

At the end of this course you will be able to:

- Explain the differences between discrete, repetitive, and process manufacturing execution processes
- Identify the organizational levels and master data used in manufacturing execution
- Describe the basic manufacturing execution process steps
- Identify key integration points with other ERP processes
- Discuss the basic activity and performance reporting available

Contents

Using recorded presentations, system demonstrations, practice simulations, quizzes, and assessments you will be introduced to:

- Differences between discrete, repetitive, and process manufacturing
- Organizational levels and master data used in Manufacturing Execution
- Manufacturing execution process
- Integration points with other ERP processes
- Basic activity and performance reporting available

SM001 Introduction to SAP Solution Manager (Course Version: 010)

Goals

- Define the concept of the SAP Solution Manager
- Discuss the tools provided by the SAP Solution Manager

Contents

- This course is meant to familiarize you with the principles and terminology of the SAP Solution Manager. You will be introduced to the benefits of using the SAP Solution Manager during the implementation of your SAP solutions and during ongoing support and operations.

TSCM40 Planning & Manufacturing I (Course Version: 010)

Goals

- Apply and communicate master data in the area of planning and manufacturing
- Apply and describe applications for production planning
- Utilize your knowledge directly as a junior consultant in your first period of practice

Contents

- Creating and managing master data: material master, BOM, classes, characteristics, documents, overview of variant configuration, work center, routing, production resources, changes with and without history, mass change
- ERP production planning: production program planning, planning-based MRP, planning strategies for make-to-stock and make-to- order production, implementing requirements planning, processing of MRP results

TSCM42 Planning & Manufacturing II (Course Version: 010)

Goals

- Utilize and describe basic functions for managing production orders (PP-SFC), repetitive manufacturing (PP-REM), process orders (PP-PI) and KANBAN (PP-KAN) as further options in production management
- Utilize your knowledge directly as a junior consultant in your first period of practice

Contents

- Order-controlled production with production orders: Overview of order categories and types, order structure/processing run, order creation/changing orders, interface with planning, order release (status management, availability checks), printing order documents,

material staging and withdrawal, process integration (interfaces) and order control, confirmations, goods receipt, order settlement, archiving and deletion, information systems (overview), automation (mass processing, collection orders (multilevel order management))
- Overview of production with process orders, repetitive manufacturing, KANBAN and capacity planning
- Integrated case study: implementation of a fictitious demo company using specific business processes, configuration and mapping of the company structure, master data, and business processes in the SAP system ECC.

Student handbooks:

TSCM40 Planning & Manufacturing I Part 1

1. Overview of Master Data for Production
2. Organisational Data in Supply Chain Management
3. Material Masters
4. Bills of Material (BOMs)
5. Modelling the Manufacturing Process
6. Task Lists
7. Advanced Bill of Material Functions
8. Advanced Routing Functions
9. Alternative User Interfaces

TSCM40 Planning & Manufacturing I Part 2

1. Overview of Production Planning in SAP ERP
2. Demand Management
3. Material Requirements Planning Execution
4. Technical Processes of Requirement Planning
5. MRP Results Processing and Evaluations
6. Additional MRP Processes

TSCM42 Planning & Manufacturing II Part 1

1. Introduction to Production Orders
2. Order Processing and Order Structures
3. Order Creation
4. Order Release
5. Order Documents
6. Material Staging
7. Confirmations
8. Goods Receipt
9. Order Settlement, Archiving and Deletion

10. Information Systems and Automation
11. Further Functions and Enhancements

TSCM42 Planning & Manufacturing II Part 2

1. Introduction to Production Execution
2. Production with Process Orders
3. Repetitive Manufacturing
4. The Kanban Principle
5. Capacity Requirements Planning (ERP)

Course Based on Software Component (s) and Release (s)

SAP ERP ECC 6.0, Enhancement Package 6
SAP SCM 7.0

Access to SAP ERP software and Training materials

SAP training materials will be provided for this course. Access to the latest SAP software will be granted through SAP's training clients.

Mode of Delivery & Duration

The course is offered through e-learning mode. The e-learning and SAP system access will be available for 5 months.

Award

On successful completion of this course, you will receive an Executive Certificate in ERP (SAP SCM: Planning and Manufacturing) from Sydney Institute of ERP.

SAP Certification

On completion of this course, you can sit for the formal certification exam with SAP Australia. On successful completion, you will receive a consultant certificate at the associate level from SAP AG Germany.