



## Sydney Institute of ERP

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### SAP – Business Intelligence

The SAP Business Intelligence course contains the following training:

- SAP01 SAP Overview
- TBW10 BW - Enterprise Data Warehousing
- TBW20 BW - Reporting and Query Design
- TBW41 BW - Extraction with UDI and XI and APD
- TBW42 BW - Advanced Enterprise Data Warehousing and Reporting
- TBW45 BW - Integrated Planning

#### SAP01 SAP Overview (Course Version: 062)

##### Goals

- Explain the terminology used at SAP
- Provide an overview of SAP's business solutions
- Develop the baseline SAP product knowledge necessary for participation in more detailed SAP courses

##### Contents

- mySAP Business Suite
- SAP NetWeaver incl. Business Information Warehouse, Exchange Infrastructure and Enterprise Portals
- mySAP ERP (Enterprise Resource Planning) incl. Financials, Human Capital Management, Logistics and Operations, and Analytics and Planning
- mySAP Customer Relationship Management
- mySAP Supply Chain Management .
- mySAP™ Supplier Relationship Management
- mySAP Product Lifecycle Management
- mySAP Small and Midsize Business
- mySAP xApps

## **TBW10 BW - Enterprise Data Warehousing (Course Version: 074)**

### **Goals**

- The participants gain the detailed BW knowledge necessary to carry out successful implementation and administration within a heterogeneous SAP BW system landscape

### **Contents**

- Architecture of SAP NetWeaver BW 7.0
- Overview of the most important objects (Info objects, InfoProviders and so on) in BW and their properties
- Components of the data flow and extracting data from SAP source systems or other data sources in the BW
- Benefits and use of the BW Content
- Introduction to administration of BW data targets
- Basics for optimizing query performance (BW Accelerator)

## **TBW20 BW - Reporting and Query Design (Course Version: 074)**

### **Goals**

- In this course you will gain knowledge that will enable you to create simple and complex query definitions using the BEx Query Designer and to make these available in standard layouts using the BEx Analyzer and the BEx Web Analyzer.

### **Contents**

- Architecture and functions of the SAP BW analysis tools
- Navigation in SAP BW reports
- Creating query definitions using the BEx Query Designer
- Integrating key figures, characteristics, hierarchies, variables, properties, exceptions and conditions in the query definition
- Delivering reports and adhoc-analysis using the BEx Analyzer and the BEx Web Analyzer
- Using the BEx Information Broadcaster to distribute reports
- Integrating reports in the SAP Enterprise Portal
- Integrating documents in reports
- Configuring report-report interfaces
- Using predefined reports from the SAP Business Content

## **TBW41 BW - Extraction with UDI and XI and APD (Course Version: 074)**

### **Goals**

- In this course, you will become familiar with selected information from the topic areas BW Extraction with UDI & XI, and APD and Transport management

### **Content**

- Universal data integration
- Exchange Infrastructure
- Process Designer analysis
- Transport Management

## **TBW42 BW - Advanced Enterprise Data Warehousing and Reporting (Course Version: 074)**

### **Goals**

- In this course you will gain in-depth knowledge in the areas of extraction, modelling and layout of reports

### **Content**

- Data acquisition (data flow in BW, transformations, delta management, enhancement of Business Content DataSources, process of extracting data from SAP source systems including process chains, data staging via different interfaces, real-time data acquisition, direct access, unit of measure conversion)
- Modeling (developing a BW data model, modeling data marts, enhancing/changing the data model, remodeling, aspects of an Enterprise Data Warehouse architecture, special aspects of modeling and data warehousing, InfoSets, MultiProvider)
- Report layout (using different web items to create demanding web applications, creating formatted reports that are optimized for presentation and printing, advanced options and settings options in the BEx Broadcaster, using the advanced options in MS Excel)

## **TBW45 BW - Integrated Planning (Course Version: 074)**

### **Goals**

- This course give you an in-depth insight into BW integrated planning

### **Content**

- Status and tracking system
- Setting up planning structures and looking at modelling aspects

- Customizing and executing planning functions
- Setting up a planning query that is ready for input using the BEx Query Designer
- Integrating the planning query in different end-user interfaces
- Displaying different query tools in a planning context
- Using characteristic relationships to integrate the correct business characteri
- Integrating the status and tracking system in planning, as a monitoring tool

## **Student Handbooks:**

### **TBW10 BW - Enterprise Data Warehousing**

#### **Units**

1. SAP Netweaver and BI: Overview, Positioning and Fundamentals
2. Objects in the BI Data Warehouse Layer
3. Data Acquisition and Transformation from SAP source Systems
4. Data Acquisition from Other Systems
5. Business Content
6. Other InfoProviders
7. Administration of Data Targets
8. Introduction to Query Performance Optimization

### **TBW20 BW - Reporting and Query Design**

#### **Units**

1. Introduction to BI Enterprise Reporting
2. Navigation in Reports
3. First Steps in the BEx Query Designer
4. Key Figures
5. Characteristics
6. Variables
7. Exceptions and Conditions
8. BEx Analyzer
9. BEx Web Analyzer
10. Information Broadcasting
11. Enterprise Portal Integration
12. Document Integration
13. Report-Report-Interface
14. Managing Query Objects
15. Business Content
16. Further SAP BI Reporting Tools

## **TBW42 BW - Advanced Enterprise Data Warehousing and Reporting (Part 1)**

### **Units**

1. Overview of BI
2. Data Flow in Data Acquisition
3. Data Acquisition with the Service API
4. Delta Management
5. Transfer of Flat Files
6. Data Acquisition with DB Connect
7. Data Acquisition with Universal Data Integration
8. XML Based Data Acquisition
9. Data Acquisition with Third Part Tools
10. Data Mart Interface

## **TBW42 BW - Advanced Enterprise Data Warehousing and Reporting (Part 2)**

### **Units**

1. EDW Architecture
2. The Modeling Process
3. Modeling InfoObjects
4. Multi-Dimensional Modeling
5. Remodeling
6. Data Transfer
7. Case Study
8. BEx Analyzer for Business Experts
9. BEx Report Designer
10. BEx Web Application Designer
11. BEx Broadcaster: Enhanced Functions

## **TBW45 BW - Integrated Planning**

### **Units**

1. General Concepts and Challenges in Business Planning
2. Creating a Simple Data Model with Data Input
3. Planning Functions – Basics
4. Creating an input-Ready Query
5. Locking Concept for Transaction Data
6. Creating and Using an Excel Based Planning Application with the BEx Analyzer
7. Modeling
8. Planning Functions – Enhancement
9. Planning Sequences
10. Characteristic Relationships and Data Slices
11. Creating and Using a Web based Planning Application with WAD
12. Status and Tracking System

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

SAP Netweaver BI 7.0

SAP ERP 6.0

### **Access to SAP ERP software and Training materials**

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

### **Award**

On successful completion of this course, you will receive an Executive Certificate in ERP (SAP Business Intelligence) from Sydney Institute of ERP.

### **SAP Certification**

On completion of the SAP Business Intelligence course, you sit for formal certification exam with SAP Australia. On successful completion, you will receive a certificate from SAP Germany. You will become an SAP Certified Application Associate – Business Intelligence with SAP Netweaver 7.0