

Curso	Descripción	No. de Participantes	Duración / días	Horario Diurno
TAW10	ABAP Workbench Fundamentals	20	15	8:00 a.m. - 5:00 p.m.
TAW12	ABAP Workbench Concepts	20	10	8:00 a.m. - 5:00 p.m.
C_TAW12_04	Dev. Cons. SAP NetWeaver 2004 - Web Appl. Dev. Focus ABAP	20	1 hour	Examen Certificación

## TAW10 ABAP Workbench Fundamentals

Course version: 2005/Q4

### Duration

- 15 day(s)

### Course Goals

- Work with the ABAP Workbench tools
- Develop your own simple ABAP programs
- Use object-oriented programming in ABAP Objects

### Target Audience

- Development Consultants who are responsible for developing and customizing ABAP / ABAP Objects programs

### Prerequisites

#### Essential:

- Extensive basic data processing knowledge
- Good programming experience in another programming language

### Software Component(s) and Release(s)

- WEB AS 6.40

### Course Content

- Introduction into mySAP Business Suite (presentation of e-business solutions, overview about SAP Web Application Server, communication and integration technology)
- ABAP Workbench tools
- Fundamentals of programming in ABAP: Basic ABAP syntax elements, user dialogs, techniques of list creation, function modules, program calls and data transfer
- ABAP Dictionary – Creation of global objects (data types, tables, views) and search helps
- Object oriented programming with ABAP Objects (classes and objects, inheritance, interfaces, events, exception concept, persistent objects)
- Programming list with the ALV Grid Control

- Advanced programming in ABAP (performance of internal and data base table accesses, dynamic programming)
- Case study (applying the basic knowledge learned in this course in a programming project)

### Notes

- To ensure that you retain the knowledge gained in this course and successfully complete the certification examination at the end of course TAW12, we recommend that you consolidate the content and exercises in your own time after the course.

## TAW12 ABAP Workbench Concepts

Course version: 2005/Q2

### Duration

- 10 day(s)

### Course Goals

- Use the ABAP/ABAP Objects programming language and the ABAP Workbench tools to develop your own business applications or to customize SAP standard software
- Utilize your knowledge directly as a junior consultant in your first period of practice

### Target Audience

- Development consultants who are responsible for the development and customizing of business applications in ABAP/ABAP Objects

### Prerequisites

#### Essential:

- [TAW10 ABAP Workbench Fundamentals](#)

### Software Component(s) and Release(s)

- WEB AS 6.40

### Course Content

- Dialog programming: principles and ergonomics, user interface, screen object attributes, implementation, and processing, context menus, list processing
- Database updates: Open SQL statements, LUW-concept of SAP Web AS, usage of SAP locking concept, database updates from dialog programs using suitable techniques: inline updates, synchronous, asynchronous and local updates in V1 and V2 mode, implementation of complex transactions
- Overview of the SAP implementation tool Solution Manager: e-learning for self-study
- Enhancements and modifications: changing the SAP standard software, personalization, enhancement techniques (Dictionary appends, customer exits, business transaction events, Business Add Ins), modifications incl. modification assistant and adjustment, SAP Note Assistant

- Case study: applying basic knowledge learned in this course in a programming project
- Certification test to become a Development Consultant SAP NetWeaver 2004 – Web Application Development Focus ABAP on the content of the courses TAW10 and TAW12

### **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.