Course Schedule 2020
SAP Skills University Singapore

<table>
<thead>
<tr>
<th>Solution / Course</th>
<th>Duration</th>
<th>Fee excl 7% GST (SGD)</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSGABP ABAP Programming with SAP NetWeaver (FT)</td>
<td>20 days</td>
<td>13,839</td>
<td>31-Aug-20</td>
<td>02-Oct-20</td>
</tr>
<tr>
<td>TAW10 ABAP Workbench Fundamentals</td>
<td>10 days</td>
<td></td>
<td>31-Aug-20</td>
<td>11-Sep-20</td>
</tr>
<tr>
<td>TAW12 ABAP Workbench Concepts</td>
<td>10 days</td>
<td></td>
<td>21-Sep-20</td>
<td>02-Oct-20</td>
</tr>
<tr>
<td>C_TAW12_750 SAP Certified Development Associate - ABAP with SAP NetWeaver 7.50</td>
<td></td>
<td></td>
<td>16-Oct-20</td>
<td>16-Oct-20</td>
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Please note, SAP reserves the right to change the pricing and / or promotions without prior notice.

Course details are the last updated on 06-May-2020
For more information, visit https://training.sap.com/

**TAW10 ABAP Workbench Fundamentals**

**Goals**
- Understand the SAP NetWeaver AS fundamentals
- Work with the ABAP Workbench tools
- Write simple ABAP programs
- Understand the ABAP Dictionary

**Audience**
- Developer
- Development consultant

**Prerequisites**

**Essential**
- Programming experience in another programming language

**Course based on software release**
- ECC6.0 EHP8 SP00/NW 7.5 SP01

**Content**
- SAP NetWeaver Application Server fundamentals:
  - SAP Systems and SAP Applications Portfolio
- SAPGUI and navigation in AS ABAP systems
- System Core
- Communication and integration technologies
TAW10 ABAP Workbench Fundamentals (Contd...)

- ABAP Workbench Foundations:
  - ABAP program processing
  - ABAP Workbench tools
  - ABAP language basics, Open SQL
  - Modularization techniques
  - Complex data objects, structures and internal tables
  - Data modeling and data retrieval
  - Classic ABAP reports
  - Program analysis tools
  - Program calls and memory management
- ABAP Dictionary:
  - Domains, data elements, structures
  - Transparent tables, pool tables and cluster tables
  - Input checks
  - Dictionary object dependencies
  - Changes in table structure
  - Views
  - Search helps
- Classical UI programming:
  - Selection screens
  - Screens (dynpros)

Notes
- Participants must work through TAW10 and also the e-learning TAW11e (or equivalent courses) prior to attending TAW12.
- In order to be properly prepared for the certification exam after TAW12, participants need extra hours of self-study after completing all the essential and recommended classes.

TAW12 ABAP Workbench Concepts

Goals
- Write object oriented programs with ABAP
- Understand the techniques in enhancements and modifications
- Create simple Web Dynpro for ABAP applications

Audience
- Developer
- Development consultant

Prerequisites
Essential
- TAW10 ABAP Basics or relevant working experience in ABAP

Course based on software release
- ECC6.0 EHP8 SP00/NW 7.5 SP01
TAW12 ABAP Workbench Concepts (Contd...)

Content

- **ABAP Objects:**
  - Object-Oriented Programming
  - Fundamental Object-Oriented syntax
  - Inheritance and casting
  - Interfaces and casting
  - Events
  - Global Classes and Interfaces
  - Exception handling
  - ABAP Object-Oriented examples – ALV and BAdIs
  - Abstract classes, factory methods, singletons
- **Shared Objects and shared memory areas**
- **Dynamic programming:**
  - Generic data types
  - Field symbols and data references
  - Runtime Type Identification (RTTI)
  - Runtime Type Creation (RTTC)
- **Enhancements and modifications:**
  - Adjustment of SAP Standard Software
  - Enhancing Dictionary elements
  - Customer Exits
  - Business Add Ins (BAdIs)
  - Modifications of the SAP standard applications
  - Implicit and Explicit Enhancements
- **Fundamentals of Web Dynpro for ABAP**
  - Web Dynpro Components, Windows and Views
  - Web Dynpro Controllers
  - Web Dynpro Context
  - Web Dynpro User Interface
  - Controller and Context programming
- **Certification test to become an SAP Certified Development Associate – ABAP with SAP NetWeaver 7.5**

Notes

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