

Services for teaching, research and co-innovation

SAP University Alliances is a global program, which provides free SAP software licenses for academic purposes to over 3,000 universities worldwide. Within this program, the SAP University Competence Centers (SAP UCCs) offer technical and applicative support for SAP solutions in teaching, research and co-innovation.

In addition, the SAP UCCs develop and maintain educational materials for the didactic mediation of the corresponding technologies. While the SAP UCCs ensure 24/7 availability of complex system landscapes and support users in their application, faculty members can focus on their core competencies in teaching and research.

By using our scenario-based and practical curricula on latest SAP solutions, lecturers and students can unlock their full potential. Our comprehensive teaching materials consist of presentations, case studies and hands-on exercises. Additional teaching tools facilitate continuous student assessments and foster group discussions.

Interested? Contact us! Our experts will support you.

SAP UCC

Contact

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Info

www.sap-ucc.com

SAP Certified
in Hosting Services

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in SAP HANA® Operations Services



SAP App Development

Teaching and Learning Environment
by SAP UCC

SAP University Alliances

SAP UCC
University Competence Center

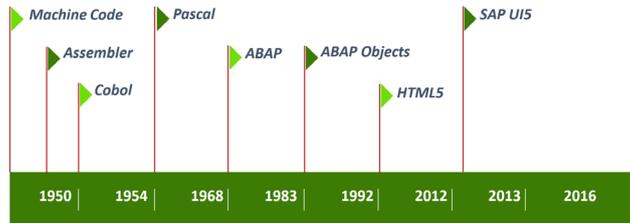
TUM

**OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG**

SAP UCC offers two curricula for Application development with SAP that build up on one another: introductory curriculum and advanced curriculum:

Introduction to Application Development with S/4 HANA

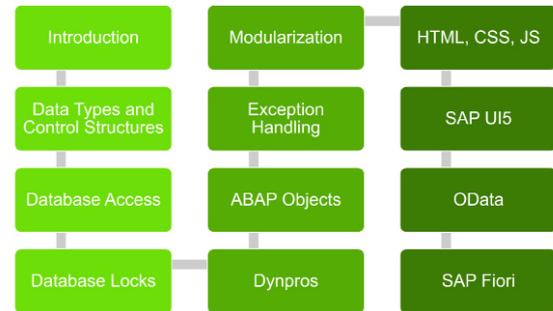
History of ABAP:



ABAP programming language can be viewed as a bridge between business and programming. Mastering ABAP means being able to implement, customize, and change the business processes in an ERP system, one of the key competencies in the modern industry. Besides, this knowledge can be used to extend existing SAP programs to fulfil new business needs instantly. In addition, with the latest available web-based technologies SAP offers a possibility of development of standardized modern user experiences directly on the SAP system.

Our curriculum is a good starting point for lecturers who want to increase their knowledge about SAP systems, the programming language ABAP and the basics of web technologies in order to leverage the application of mobile devices. The aim of the course is to deliver basic concepts of ABAP. Moreover, it presents a variety of web technologies and facilitates to gain first programming experience. Lecturers attending this workshop are trained to create new SAP programs, user dialogs and database accesses using the development environment Eclipse. Moreover, the course introduces the latest SAP web technology, based on HTML5 and JavaScript - SAPUI5 and describes building RESTful web services using the SAP Gateway and OData protocol, as well as data visualization in an analytical application. Finally, the participants will get acquainted with the integration of the applications into the Fiori launchpad to create a unique user experience for every existing role in the company.

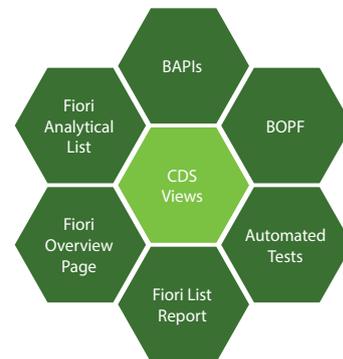
Module overview:



Advanced Application Development with S/4 HANA

The new modules leverage the capabilities of HANA, underlying the S/4 system. First module focuses on BAPI usage within OData services. Further modules present CDS views that lay a foundation for native S/4 HANA application and push the data-intensive calculations to the database layer, integration of Business Object Processing Framework (BOPF) into CDS views to simplify transactional application, as well as automated testing approach. We conclude with building different kinds of Fiori applications based on the developed CDS model.

Module overview:



Trial access

The SAP UCCs offer a one-month trial access to SAP systems free of charge. If you are interested and for further information, please contact the SAP UCC.