

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

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Info

www.sap-ucc.com

SAP Certified
in Hosting Services

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in SAP HANA® Operations Services



SAP HANA

Teaching and Learning Environment
by SAP UCC

SAP
University
Alliances



Main features of the SAP HANA Curriculum

Main focus of this curriculum is the presentation of core concepts, data replication methods and modeling techniques of in-memory databases like SAP HANA.

The SAP UCCs provide access to a SAP HANA system with exclusive memory initially reserved for 30 users. It includes data of a fictitious model company Global Bike allowing a vivid demonstration and testing of important processes and procedures of the topics listed below.

Lecturers have access to teaching guidelines, presentations, case studies and exercises ready to be used in classes as well as in research projects immediately. Additional access to SAP Smart Data Integration and SAP Predictive Analytics enable data import, data visualization and custom developments.

Topics of the curriculum

Introduction to SAP HANA

... provides an introduction to basics of in-memory databases and their use cases for analytical applications:

- Learn the basics of in-memory computing and in-memory databases
- Learn how to load data into SAP HANA
- Learn how to create data models in SAP HANA
- Learn how to analyze data with SAP HANA

Native Development...

... provides insights into native application development with SAP HANA:

- Learn how to create and handle RESTful OData web services
- Learn how to use SAPUI5 for developing both web and native applications with SAP HANA
- Learn how to build Fiori applications

Data Mining...

...demonstrates how to analyze stored data with SAP Predictive Analytics:

- Learn how to use SAP Predictive Analytics for data mining purposes
- Learn how to run sales forecasts for the Global Bike Company
- Learn how to run a shopping basket analysis
- Learn how to execute an ABC analysis to identify items that are most commonly sold together

Geospatial Processing...

... demonstrates how SAP HANA can process geographical information to generate valuable information:

- Learn how geographical representation and spatial clustering works
- Learn how to create, access and process spatial data in SAP HANA
- Learn how to visualize data with our Global Bike Demo App

Text Analytics...

... demonstrates the text mining capabilities of SAP HANA:

- Learn how to load social media data into the SAP HANA database at the example of Twitter
- Learn how to analyze text with SAP HANA
- Learn how to visualize the results with SAP Predictive Analytics

Introduction to Graph Processing...

... demonstrates how graphs can be set up and visualized in SAP HANA. A well-selected use case shows possible applications of different high performance algorithms:

- Learn about graphs and how they work
- Learn how graph algorithms can speed up business processes
- Learn how to create and use graphs for different scenarios in SAP HANA
- Learn how to use pre-defined graph algorithms of SAP HANA

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.