

<b>Module title</b>		<b>Abbreviation</b>
Adaption and Continuous System Engineering		12-ACSE-132-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Business Management and Business Information Systems		Faculty of Business Management and Economics
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
<p><b>Business Suite:</b> The constantly changing environment with its organisational and IT-oriented developments forces companies to adapt their standard business software solutions. With the help of dynamic adaptation (Continuous System Engineering), this process of change can be supported effectively and efficiently. This module discusses both the systematic implementation of adaptation steps (so-called customising) using the example of the mySAP Business Suite and the concept of Continuous System Engineering using various practical examples. <b>Business Apps:</b> The course combines theory and practice in the area of cloud computing and ERP. Participants gain an insight into the architecture of the ByDesign platform and are presented with an opportunity to gain practical experience working with the corresponding software development kit.</p> <p>Content:</p> <ul style="list-style-type: none"> <li>- Fundamentals of cloud computing</li> <li>- Cloud business solutions</li> <li>- Architecture of the SAP Business ByDesign platform</li> <li>- Platform adaption and extensibility</li> <li>- Basics of software development in SAP Cloud Applications Studio</li> <li>- Hands-on SDK: independently designing and developing a demo app</li> </ul>		
<b>Intended learning outcomes</b>		
<p>Business Suite: Students learn about the various ways of adapting a standard business software solution to the special requirements of a company. They also develop a fundamental understanding of the dynamic adaptation of business software libraries. Based on selected examples from the SAP Business Suite that the acquired knowledge will be deepened by using case studies. Business Apps: The course imparts knowledge and delivers skills in cloud computing for businesses, ERP systems architecture and software development at the example of the SAP Business ByDesign platform. The independent planning, implementation and documentation of a business app trains important core competencies of technology-oriented Business Informatics.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
<p>This module has 2 components; information on courses listed separately for each component.</p> <ul style="list-style-type: none"> <li>• 12-ACSE-1-132: V + Ü (no information on language and number of weekly contact hours available)</li> <li>• 12-ACSE-2-132: V + Ü (no information on language and number of weekly contact hours available)</li> </ul>		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.</p> <p><b>Assessment component to module component 12-ACSE-1-132:</b> Adaption and Continuous System Engineering - Business Suite</p> <ul style="list-style-type: none"> <li>• 5 ECTS credits, method of grading: numerical grade</li> <li>• a) written examination (approx. 60 minutes) or b) written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or c) presentation (15-20 minutes) with written elaboration (approx. 20 pages), weighted 1:2 or d) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or e) entirely or partly computerised written examination (approx. 60 minutes)</li> </ul>		

- Language of assessment: German, English

**Assessment component to module component 12-ACSE-2-132:** Adaption and Continuous System Engineering - Business Apps

- 5 ECTS credits, method of grading: numerical grade
- a) written examination (approx. 60 minutes) or b) written examination consisting entirely or partly of multiple/single choice questions (approx. 60 minutes) or c) presentation (15-20 minutes) with written elaboration (approx. 20 pages), weighted 1:2 or d) oral examination (one candidate each: approx. 10 to 15 minutes; groups of 2: approx. 20 minutes; groups of 3: approx. 30 minutes) or e) entirely or partly computerised written examination (approx. 60 minutes)
- Language of assessment: German, English

#### Allocation of places

Information on the allocation of places listed separately for each module component.

- 12-ACSE-2-132: Number of places: 10. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. A waiting list will be maintained and places re-allocated as they become available.
- 12-ACSE-1-132: Number of places: 20, thereof 15 places für Master's students of Business Information Systems. (1) Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective degree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. In this procedure, applicants who already have successfully completed at least one module component of the respective module will be given preferential consideration. (2) Places on all courses of the module component with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated as they become available.

#### Additional information

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#### Workload

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#### Teaching cycle

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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#### Module appears in

Master's degree (1 major) Business Information Systems (2013)

Master's degree (1 major) Business Management (2013)

Master's degree (1 major) Economics (2013)