

<b>Module title</b>		<b>Abbreviation</b>
Mobile and Ubiquitous Systems		12-MUS-101-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Information Systems Engineering		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>The course will provide students with an overview of basic technologies and business applications of mobile and ubiquitous computing. Exercises running in parallel to lectures will present students with an opportunity to gain experience with mobile development platforms.</p> <p>Prerequisite for participation in this module: knowledge of the basics of e-business; basic experience with software development tools would be an asset for exercises.</p>		
<b>Intended learning outcomes</b>		
<p>The module provides students with knowledge of:</p> <ul style="list-style-type: none"> <li>(i) Mobile Infrastructure</li> <li>(ii) Mobile Business</li> <li>(iii) The Auto-ID technologies</li> <li>(iv) Smart Metering</li> <li>(v) Sensor networks and localization systems</li> </ul>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V + Ü (no information on SWS (weekly contact hours) and course language available)		
<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)		
a) written examination (approx. 60 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 15 to 20 pages), weighted 1:2 or c) oral examination (one candidate each: approx. 10 to 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 30 minutes) or d) completion of programming exercises (as specified)		
<b>Allocation of places</b>		
<p>Number of places: 40. Should the number of applications exceed the number of available places, places will be allocated as follows: Master's students of Wirtschaftsinformatik (Business Information Systems) (120 ECTS credits) will be given preferential consideration when it comes to admission to the courses and assessment in the module component. a) Should, however, the number of applications from Master's students of Wirtschaftsinformatik already exceed the number of available places, places will be allocated according to the total number of ECTS credits achieved so far in the degree subject Wirtschaftsinformatik Master's; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. b) Should the number of available places exceed the number of applications from Master's students of Wirtschaftsinformatik, the remaining places will be allocated by lot to Master's students of Business Management (120 ECTS credits) and Master's students of Economics (120 ECTS credits).</p>		
<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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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 (2007)

Master's degree (1 major) Business Information Systems (2010)

Master's degree (1 major) Business Management (2011)