

<b>Module title</b>		<b>Abbreviation</b>
Research Methods		o6-MCS-Meth-101-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Psychological Ergonomics		Institute of Human Computer Media
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
7	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>This module will equip students with the fundamentals of research methods in human-computer systems, including theoretical principles, the identification of research problems, the selection of suitable measurement methods, the selection of research paradigms and data collection methods as well as the analysis and interpretation of research findings. An exercise will provide students with an opportunity to practise their skills in these areas. In addition, students will gain first-hand experience of experiments, spending 25 hours acting as a participant in experiments, as a tester or similar.</p>		
<b>Intended learning outcomes</b>		
<p>German intended learning outcomes available but not translated yet.</p> <p>Nach der Teilnahme an den Modulveranstaltungen haben die Studenten Kenntnisse über die erkenntnistheoretischen Grundlagen der wissenschaftlichen Modellbildung in einer empirischen Disziplin. Die Studierenden erlangen die Fähigkeit, einem Untersuchungsgegenstand angemessene empirische Datenerhebungsmethoden auszuwählen und sie - auch in ihrer Beschränkung - korrekt zu interpretieren. Diese Kenntnisse und Fertigkeiten ermöglichen den Studierenden die methodenkritische Auseinandersetzung mit der wissenschaftlichen Fachliteratur und die Testung von wissenschaftlichen Fragestellungen bzw. die Evaluation von Mensch-Computer Systemen.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>o6-MCS-Meth-1-101: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>o6-MCS-Meth-2-101: P (no information on SWS (weekly contact hours) and course language 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>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component o6-MCS-Meth-1-101: Research Methods Research Methods</b></p> <ul style="list-style-type: none"> <li>6 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 75 minutes) or b) presentation (approx. 20 minutes) with written elaboration (approx. 10 pages) or c) written examination (approx. 60 minutes) and term paper (approx. 5 pages)</li> <li>Language of assessment: German or English</li> </ul> <p><b>Assessment in module component o6-MCS-Meth-2-101: Experience as a tester or subject in experiments</b></p> <ul style="list-style-type: none"> <li>1 ECTS, Method of grading: (not) successfully completed</li> <li>acting as a participant in an experiment</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor' degree (1 major) Human-Computer Systems (2010)