

Module title		Abbreviation
Research Methods		o6-HCI-B-FM-242-m01
Module coordinator		Module offered by
holder of the Chair of Psychological Ergonomics		Institute of Human Computer Media
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
The module provides basic knowledge about methods of gaining knowledge in human-computer systems. These include scientific theoretical basics, identification of questions, formulation of hypotheses, securing suitable measurement methods, selection of research paradigms and data collection methods, as well as evaluation and interpretation of research results. In the exercise, the above points are practiced practically by means of tasks such as smaller experiments, data evaluation and the preparation of a research report.		
Intended learning outcomes		
After participating in the module courses, students are able to investigate empirical questions in human-computer systems using the appropriate scientific methods. The students are able to reproduce basic terms and methods, formulate and comprehend questions, and decide on and apply suitable survey and evaluation methods. The students are able to critically examine the methods of others and their own work and have knowledge of the structure and writing of scientific reports.		
Courses (type, number of weekly contact hours, language — if other than German)		
V (2) + Ü (2) Module taught in: German and/or English		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
written examination (approx. 90 minutes) Language of assessment: German and/or English creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
Teaching cycle: only in winter semester		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor's degree (1 major) Human-Computer-Interaction (2024)		