

Module title		Abbreviation
Multimodal Intelligent Systems		10-PDM-IS-222-mo1
Module coordinator		Module offered by
holder of the Professorship of Media Informatics		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	graduate	--
Contents		
<p>This module teaches about the interaction with multimodal intelligent systems, such as socially interactive agents. These systems use different modalities, such as speech, gestures, facial expressions, in input and/or output to support natural human-machine interaction. To be used in social domains, these systems must have some social intelligence. Application areas of are for example elderly support, education or storytelling. Besides theoretical contents, the modeling of the interaction with such systems is presented practically.</p>		
Intended learning outcomes		
<p>The students are able to independently prepare a topic area of multimodal intelligent systems and present it in a plenary session. In addition, they know the most important building blocks and have a basic overview of different subfields, such as the use or effect of different modalities, the use of contextual knowledge, or application domains. The module also enables them to understand and critically classify scientific texts.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
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Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>a) presentation (15 to 45 minutes) and written elaboration (10 to 15 pages) or b) term paper (15 to 20 pages) or c) portfolio (approx. 20 pages) Language of assessment: German and/or English creditable for bonus</p>		
Allocation of places		
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Additional information		
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Workload		
150 h		
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) Psychology of digital media (2022)		