

Module title		Abbreviation
xtAI Lab 1		10-xtAI=L1-202-m01
Module coordinator		Module offered by
Dean of Studies Informatik (Computer Science)		Institute of Computer Science
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>The XtAI Lab 1 provides knowledge about the most important steps and tools for the design and development of an XtAI application. Knowledge such as common data handling and processing techniques, libraries and connection to extended reality applications are taught in theoretical or practical form. In group work, concepts, planning, design, creation, evaluation and refinement of a comprehensive XtAI application prototype are learned. Lectures are used to teach the basic scientific questions of XtAI and current design and solution approaches.</p>		
Intended learning outcomes		
<p>At the end of XtAI Lab 1, students will be able to handle the entire development process of an XtAI application. They will have basic knowledge in the following areas: Design, design decisions, development and scientific evaluation of XtAI applications.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
R (3) Module taught in: 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)		
<p>Project: report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic Language of assessment: 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) eXtended Artificial Intelligence (xtAI) (2020)		