Module title	Abbreviation
AI&XR Lab 1	10-xtAI=L1-242-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

The AI&XR Lab 1 provides knowledge about the most important steps and tools for the design and development of an AI&XR 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 AI&XR application prototype are learned. Lectures are used to teach the basic scientific questions of AI&XR and current design and solution approaches.

Intended learning outcomes

At the end of AI&XR Lab 1, students will be able to handle the entire development process of an AI&XR application. They will have basic knowledge in the following areas: Design, design decisions, development and scientific evaluation of AI&XR applications.

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)

Project: report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic
Language of assessment: English
Creditable for bonus

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) Artificial Intelligence & Extended Reality (2024)