Module title
xtAI Lab 1

Abbreviation
10-xtAI=L1-202-m01

Module coordinator
Dean of Studies Informatik (Computer Science)

Module offered by
Institute of Computer Science

ECTS
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Method of grading
Numerical grade

Only after success. compl. of module(s)

Duration
1 semester

Module level
Graduate

Other prerequisites
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Contents
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.

Intended learning outcomes
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.

Courses
R (3)
Module taught in: English

Method of assessment
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 1
(examination regulations for teaching-degree programmes)
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Module appears in
Master’s degree (1 major) eXtended Artificial Intelligence (xtAI) (2020)