### Module title
xtAI Lab 2

### Abbreviation
10-xtAI=L2-202-m01

### Module coordinator
Dean of Studies Informatik (Computer Science)

### Module offered by
Institute of Computer Science

### ECTS
10

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
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### Contents
Based on the knowledge and competencies from the XtAI Lab1, specific methods are identified to extend the existing XtAI application prototype and develop it into a fully functional application. In order to meet the requirements of an XtAI application prototype, more advanced data processing and mining approaches are taught. Within the XtAI Lab2 the basic theoretical and practical competences for the design and extension of XtAI applications are learned.

### Intended learning outcomes
By the completion of XtAI Lab 2, students have concluded the entire development cycle of an XtAI application. The knowledge acquired now reaches deep into the programmatic details of complex XtAI applications. At the same time, students have learned to design and implement artificial intelligence systems in current frameworks.

### Courses
**R (6)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Module taught in: English</th>
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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)

| 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
300 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)