### Contents

In the XtAI courses, basic aspects and competences are taught, which the students can comprehend in the corresponding exercises. In the XtAI Lab3 these different competences and aspects are integrated to develop a comprehensive XtAI application on their own. As in the XtAI Lab1 and 2, the projects are worked on in groups. Depending on the students’ interests, highly specialized and innovative applications from the XtAI field can be developed. Lectures and exercises consolidate the necessary theoretical concepts or practical skills.

### Intended learning outcomes

At the end of the XtAI Lab3, students have a deeper understanding of the architectures of XtAI applications and the interaction of the individual components and solutions. In particular, students are able to design extensive XtAI projects and make complex modifications to AI models.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Examination offered</th>
<th>Information on whether module is creditable for bonus</th>
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<tbody>
<tr>
<td>R</td>
<td>6</td>
<td>English</td>
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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

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)