

<b>Module title</b>		<b>Abbreviation</b>
Artificial Intelligence and Data Science Lab 2		10-I-KIDS-Lab2-232-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Informatik (Computer Science)		Institute of Computer Science
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Based on the knowledge and skills from Artificial Intelligence and Data Science Lab 1, specific methods are identified to extend the existing application prototype and develop it into a fully functional application. In order to meet the requirements of an AI application prototype, further data processing and mining approaches are taught. Within the Artificial Intelligence and Data Science Lab 2, the basic theoretical and practical skills for the design and extension of AI applications are taught.		
<b>Intended learning outcomes</b>		
By completing Lab 2, students have completed the entire development cycle of an AI application. The knowledge they have acquired now goes deep into the programmatic details of AI applications. At the same time, students have learned how to design and implement artificial intelligence systems in current frameworks.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
R (6) Module taught in: German and/or English		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
presentation of project results (30 to 45 minutes) Language of assessment: German and/or English creditable for bonus		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Workload</b>		
300 h		
<b>Teaching cycle</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Bachelor' degree (1 major) Artificial Intelligence and Data Science (2023) Bachelor' degree (1 major) Artificial Intelligence and Data Science (2024)		