

Module title		Abbreviation
Artificial Intelligence and Data Science Lab 3		10-I-KIDS-Lab3-232-mo1
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)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>In the artificial intelligence and data science courses, fundamental aspects and skills are taught that students can understand in the corresponding exercises. In Artificial Intelligence and Data Science Lab 3, these various skills and aspects are integrated in order to independently develop a comprehensive AI application. As in Lab 1 and Lab 2, the projects are worked on in groups. Depending on the students' interests, highly specialized and innovative applications from the field of AI can be developed. Lectures and exercises consolidate the necessary theoretical concepts or practical skills.</p>		
Intended learning outcomes		
<p>At the end of Lab 3, students have a deeper understanding of the architectures of AI applications and the interaction of the individual components and solutions. In particular, students will be able to design extensive AI projects and make complex modifications to AI models.</p>		
Courses (type, number of weekly contact hours, language — if other than German)		
R (6) Module taught in: German or 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)		
<p>presentation of project results (30 to 45 minutes) Language of assessment: German and/or English creditable for bonus</p>		
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		
<p>Bachelor' degree (1 major) Artificial Intelligence and Data Science (2023) Bachelor' degree (1 major) Artificial Intelligence and Data Science (2024)</p>		
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