

Module title		Abbreviation
Data Science 2		10-xtAI=DS2-202-m01
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)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
Advanced models, approaches and methods of data science, processing of structured and unstructured data, knowledge discovery and knowledge extraction from data. Complex and specific algorithms for extracting information and knowledge from different data sources.		
Intended learning outcomes		
The Students possess advanced theoretical and practical knowledge in the field of data science and have the experience in implementing models and algorithms for knowledge discovery and knowledge extraction.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2) Module taught in: 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)		
Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). 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 I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) eXtended Artificial Intelligence (xtAI) (2020) Master's degree (1 major) Artificial Intelligence & Extended Reality (2024)		