

## List of Courses taught in English

Department of Artificial Intelligence and Human Interfaces  
Academic Year 2024/25



## MSc Data Science

Winter Semester 2024/25

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
DSM.000	WS	<a href="#">Introduction to Data Science</a>	1	VU	1	Arne Bathke Christian Borgelt	English
DSM.100	WS	<a href="#">Frequent Pattern Mining</a>	3	VO	3	Christian Borgelt	English
DSM.104	WS	<a href="#">Frequent Pattern Mining</a>	2	UE	3	Christian Borgelt	English
DSM.105	WS	<a href="#">Deep Learning: Advanced Topics</a>	2	SE	3	Christian Borgelt	English
DSM.601	WS	<a href="#">Master Seminar Advanced Data Science</a>	2	SE	2	Christian Borgelt	English
DSM.910	WS	<a href="#">Regression Methods and Computational Statistics</a>	2	VO	3	Christian Borgelt	English
Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
DSM.911	WS	<a href="#">Regression Methods and Computational Statistics</a>	2	UE	3	Christian Borgelt	English
DSM.933	WS	<a href="#">Advanced Data Mining 1 (Rule Learning, Support Vector Machines)</a>	2	VU	4	Christian Borgelt	English
DSM.934	WS	<a href="#">Advanced Data Mining 2 (Ensemble Methods, Random Forests, Advanced Clustering)</a>	2	VU	4	Christian Borgelt	English

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DSM.940	WS	<a href="#">Case Studies</a>	2	SE	3	Nikolaus Augsten, Arne Bathkem Christian Borgelt, Roland Kwitt,	
DSM.943	WS	<a href="#">Interpreting and Presenting Scientific Results</a>	2	SE	2	Nikolaus Augsten, Arne Bathkem Christian Borgelt, Roland Kwitt	

## Summer Semester 2025

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
DSM.001	SS	<a href="#">Elementary Data Mining</a>	2	VU	3	Christian Borgelt	English
DSM.102	SS	<a href="#">Artificial Neural Networks and Deep Learning</a>	3	VO	3	Christian Borgelt	English
DSM.103	SS	<a href="#">Artificial Neural Networks and Deep Learning</a>	2	UE	3	Christian Borgelt	English
DSM.106	SS	<a href="#">Evolutionary Algorithms and Swarm-based Optimization</a>	2	VO	3	Christian Borgelt	English
DSM.107	SS	<a href="#">Evolutionary Algorithms and Swarm-based Optimization</a>	2	UE	2	Christian Borgelt	English
DSM.603	SS	<a href="#">Master Seminar Advanced Data Science</a>	2	SE	2	Christian Borgelt	English
DSM.700	SS	<a href="#">Recommender Systems</a>	2	UV	3	Christine Bauner	English
DSM.942	SS	<a href="#">Data Ethics and Identity</a>	2	SE	4	Arne Bathke Christopher Frauenberger; Stephan Kirste,	English

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						Leonhard Menges; Drago Pintaric	
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## Doctorate

### Winter Semester 2024/25

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.111	WS	<a href="#">DAS Lectures</a>	1	SE	1	Arne Bathke Thomas Blaschke Günter Maresch	English

### Summer Semester 2025

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.111	SS	<a href="#">DAS Lectures</a>	1	SE	1	Arne Bathke Thomas Blaschke Günter Maresch	English

## Joint Master Human-Computer Interaction

### Winter Semester 2024/25

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
514.001	W	<a href="#">HCI Theory &amp; Paradigms</a>	2	VO	2	Fuchsberger-Staufer	English
514.004	W	<a href="#">Human Factors &amp; Design Principles</a>	2	VO	2	Meschtscherjakov	English

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### Summer Semester 2025

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
514.015	S	<a href="#">Lecture Series:</a> <a href="#">HCI Related Disciplines</a>	2	VO	3	Tscheligi / Beuthel / Campreguer Franca	English