

Winter Semester 2025/26

Module ID	Module Title	Teacher	Group	Descriptions
1212328	Model Checking	Katoen	Software Modeling and Verification (Computer Science 2)	Link
1212646	Concurrency Theory	Noll	Software Modeling and Verification (Computer Science 2)	Link
1212341	Satisfiability Checking	Ábrahám	Theory of Hybrid Systems	Link
1215686	Model-based Software Engineering	Rumpe	Software Engineering (Computer Science 3)	Link
1222882	Model-based Systems Engineering	Rumpe	Software Engineering (Computer Science 3)	Link
1215755	The Digital Lifecycle of Vehicles as a Part of the Internet of Things	Fischer	Software Engineering (Computer Science 3)	Link
1212349	Communication Systems Engineering	Thißen	Study Center Computer Science / COMSYS	Link
1227956	Industrial Network Security	Henze	Security and Privacy in Industrial Cooperation	Link
1212675	Semantic Web	Decker	Information Systems and Databases (Computer Science 5)	Link
1211393	The Logic of Knowledge Bases	Lakemeyer	Knowledge-Based Systems	Link
1215692	Implementation of Databases	Geisler	Data Stream Management and Analysis	Link
1211903	Introduction Bioinformatics	Berlage	Life Science Informatics	Link
1229157	Social and Technological Change	Geffner	Machine Learning and Reasoning (Computer Science 6)	Link
1230106	Fundamentals of Automatic Speech Recognition	Schlüter	Machine Learning and Human Language Technology	Link
1212336	Infinite Computations and Games	Löding	Logic and Theory of Discrete Systems (Computer Science 7)	Link
1212310	Basic Techniques in Computer Graphics	Kobbelt	Computer Graphics, Geometry and Multimedia (Computer Science 8)	Link
1215862	Physically-Based Animation	Bender	Computer Animation	Link
1216861	Introduction to Data Science	van der Aalst	Process and Data Science (Computer Science 9)	Link
1211914	Einführung in Web Technologien	Schroeder	Learning Technologies	Link
1229150	Business Process Modelling & Computation	Leemans	Business Process Management Foundations and Engineering	Link
1227457	Fundamentals of Business Process Management	Leemans	Business Process Management Foundations and Engineering	Link
1212666	Formal Methods for Logic Control Software	Kowalewski	Embedded Software (Computer Science 11)	Link
1215720	Introduction to High-Performance Computing	Müller	High Performance Computing (Computer Science 12)	Link
1211909	Introduction to Virtual Reality (VR I)	Kuhlen	Virtual Reality and Immersive Visualization	Link
1215744	Machine Learning	Leibe	Computer Vision (Computer Science 13)	Link
1211921	Computer Vision 2	Leibe	Computer Vision (Computer Science 13)	Link
1229347	Post-Quantum Cryptography	Unruh	Quantum Information Systems (Computer Science 15)	Link