

Courses offered in the winter term 2022/23 for M.Sc. Computer Science

Course	Lecturer	recommended semester	obligatory (O) / elective or catalogue module (EC)
Advanced mathematics for signal and information processing	Yang	3	EC
Computer Vision	Bruhn	3	EC
Data-Warehousing, Data-Mining und OLAP	Mitschang	3	EC
Datenbanken und Informationssysteme	Schwarz	3	EC
Digitale Systeme/Digital System Design	Simon	3	EC
Distributed Systems: Concepts and Architectures (PO 2019: Distributed Systems II) - part 1	Becker	3	EC
Distributed Systems: Foundations (PO 2019: Distributed Systems I)	Aiello	1	EC
Embedded Systems Engineering	Radetzki	3	EC
Information Integration	Herschel	3	EC
Information Retrieval und Text Mining	Klinger	1	EC
Information Visualization and Visual Analytics	Koch	1	EC
Introduction to Modern Cryptography	Küsters	1	EC
Komplexitätstheorie	Diekert	3	EC
Machine Perception and Learning	Bulling	3	EC
Mathematical Foundations of Post-Quantum Cryptography	Küsters	1	EC
Probabilistic Machine Learning	Staab	1	EC
Real-time Concepts for Embedded Systems	Dürr	3	EC
Selbstorganisierende und adaptive Systeme (Self-Organizing and Adaptive Systems)	Becker	3	EC
Service Management and Cloud Computing	Klöckner	1	EC
Simulation Software Engineering	Uekermann	3	EC
Speech Signal Processing and Microphone Array Processing	Wokurek	1	EC
Theoretical and Methodological Foundations of Autonomous Systems	Niepert	1	profile AUT (O), else EC
Theoretical and Methodological Foundations of Service Technology and Engineering	Funke	1	profile STE (O), else EC
Theoretical and Methodological Foundations of Visual Computing	Weiskopf	1	profile VC (O), else EC

Not mentioned here are advanced seminars, lab courses, research projects and the thesis