

Courses offered in the winter term 2023/24 for M.Sc. Computer Science

Course	Lecturer	AUT					STE					VC				
		Obligatory	Core	Extended	Breadth	Elective	Obligatory	Core	Extended	Breadth	Elective	Obligatory	Core	Extended	Breadth	Elective
Advanced mathematics for signal and information processing	B. Yang					x					x					x
Computer Vision	A. Bruhn		x	x		x				x	x		x	x		x
Business Proces management (block course in August)	F. Leymann				x	x		x	x		x				x	x
Data-Warehousing, Data-Mining und OLAP	B. Mitschang				x	x		x	x		x				x	x
Datenbanken und Informationssysteme	H. Schwarz					x					x				x	x
Digitale Systeme/Digital System Design	S. Simon		x	x		x					x	x			x	x
Distributed Systems: Concepts and Architectures (PO 2019: Distributed Systems II) - part 1	C. Becker		x	x		x					x	x			x	x
Distributed Systems: Foundations (PO 2019: Distributed Systems I)	M. Aiello		x	x		x					x	x			x	x
Electronic design Automation	I.Polian			x		x					x	x			x	x
Embedded Systems Engineering	M. Radetzki		x	x		x					x	x			x	x
Fachpraktikum Verteilte Systeme	F. Dürr					x					x	x			x	x
Fachpraktikum Algorithmik	S. Funke					x					x	x			x	x
Fachpraktikum Computational Cognitive science	B. Ehinger					x					x	x			x	x
Fachpraktikum Theoretische Informatik	M. Kufleitner					x					x	x			x	x
Fachpraktikum Wissenschaftliches Rechnen	D. Pflüger					x					x	x			x	x
Information Integration	M. Herschel				x	x		x	x		x	x			x	x
Information Retrieval und Text Mining	R. Klinger					x					x	x			x	x
Information Visualization and Visual Analytics	S. Koch				x	x					x	x		x	x	x
Introduction to Modern Cryptography	R. Küsters				x	x					x	x			x	x
Laboratory course Artificial Intelligence (2 offerings)	S. Staab		x	x		x					x	x			x	x
Laboratory course high performance programming with graphic cards	S. Simon			x		x					x	x		x		x
Machine Perception and Learning	A. Bulling		x	x		x					x	x		x	x	x
Mathematical Foundations of Post-Quantum Cryptography	R. Küsters				x	x					x	x			x	x
Probabilistic Machine Learning	S. Staab		x			x					x	x			x	x
Program Analysis	M. Pradel				x	x					x	x			x	x
Real-time Concepts for Embedded Systems	F. Dürr		x			x					x	x			x	x
Selbstorganisierende und adaptive Systeme (Self-Organizing and Adaptive Systems)	C. Becker			x		x					x	x			x	x
Service Management and Cloud Computing, and Evaluation	K. Klöckner				x	x			x		x	x			x	x
Speech Signal Processing and Microphone Array Processing	W. Wokurek					x					x	x				x
Signal processing and Analysis of Human Brain Potentials	B. Ehinger				x	x					x	x		x		x
Practical course Information Systems	B. Mitschang; H. Schwarz				x	x			x		x	x			x	x
Practical course Information Visualization	T. Blascheck				x	x					x	x		x	x	x
Theoretical and Methodological Foundations of Autonomous Systems	M. Niepert		x			x					x	x			x	x
Theoretical and Methodological Foundations of Service Technology and Engineering	S. Funke				x	x		x			x	x		x		x
Theoretical and Methodological Foundations of Visual Computing	D. Weiskopf			x		x					x	x		x		x

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

- this module will soon occur in that catalog
- we are checking whether this module can occur in that catalog
- This course required an early registration- please check whether there are still places available
- This course already took place in August.