

Grundvorlesung:

Perspektiven der Informatik
Hermanns: Programmierung 1
Krüger: Grundlagen der Medieninformatik
Bläser: Grundzüge der Theoretische Informatik
Grundzüge von Algorithmen und Datenstrukturen
Schreyer: MFI 1
Groves: MFI 3
Lenhof: Bioinformatik 1
Einführung in Eingebettete Systeme
Stock: Grundlagen der Cybersicherheit
Dittrich/Demberg/Hoffmann/Schiele/Wolf: Elements of Data Science and Artificial Intelligence

Proseminar:

Nürnberg: Less Injuries by Making Cars Secure
Dittrich: Einführung in die Effiziente Anfrageverarbeitung
Stock: Joint Advances in Web Security
Rossow: Malware

Seminar:

Apel: Software Engineering Research in the Neuroage
Horacek: Intelligent Tutoring Systems
Hoffmann: Explainable AI Planning
Wolf: Reinforcement Learning
Wolf: Exploring Complex Network Dynamics
Weickert/Peter: Deep Learning: From Mathematical Foundations to Image Compression
Zhang: Data Privacy
Jacobs: Formal Methods in Security
Stock/Pellegrino: Joint Advances in Web Security
Krombholz: Designing Usable Security
Cremers: How Secure is Messaging? Provable Guarantees for Secure Messaging
Mömke: Algorithms for Big Data
Klusch: Hybrid Learning and Reasoning
Feld: Automotive User Interfaces
Schwartz: Collaborative and Cooperative Robotics
Hermanns: Concurrency Theory
Singla: Machine Teaching
Seidel/Babaei: Computational Design and Manufacturing
Dittrich: Crazy Papers in Big Data Engineering
Steimle: Interactive Computing with Augmented and Virtual Realit
Sorge: IT-Forensik und Strafverfolgung
Sorge: Legal Tech
Mehlhorn: Topics in Fair Division

Freie Leistungspunkte:

Spurk: Unix

Core lectures:

Herfet: Digital Transmission, Signal Processing
Brandenburg/Kaufmann/Jang: Operating Systems
Weikum: Information Retrieval and Data Mining
Apel: Software Engineering
Tippenhauer: Security
Steimle: Human Computer Interaction
Herfet: Digital Transmission, Signal Processing
Slusallek: Computer Graphics
Waldmann: Automated Reasoning
Dreyer/Smolka: Semantics
Zayer: Geometric Modelling
Finkbeiner: Verification
Klakow: Neural Networks: Implementation and Application (Eingebettete System
Herfet: Multimedia Transport (C/C++/Eingebettete Systeme/Embedded Systems)
Ochs: Machine Learning

Advanced course:

Klakow: Neural Networks: Theory and Application
Köhler: Architectural Thinking for intelligent Systems
Herfet: Multimedia Transport
Hoffmann: AI Planning
Gebhard: Affective Computing
Demberg: Statistics with R
Razniewski: Information Extraction
Myszkowski: Perception for Computer Graphics
Ochs: convex Analysis and Optimization
Augustin: Interpolation and Approximation for Visual Computing
Cárdenas: Differential Geometric Aspects of Image Processing
Peter: Image Acquisition Methods
Weickert: Differential Equations in Image Processing and Computer Vision
Zeller/Gopinath: Generating Software Tests
Bugiel: Mobile Security
Fritz: Machine Learning in Cybersecurity
Jacobs: Reactive Synthesis
Sorge: Recht der Cybersicherheit - Datenschutz
Marschall/Vreeken: Elements of Statistical Learning
Reineke: Program Analysis
Lenzen/Bund: Theory of Distributed Systems
Stock: Web Security