

Courses summer term 2024 for Cognitive Systems

from 2024/03/25

Basic Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Comment	Course pre-registration?	Planning
Fundamental Approaches to Cognitive Science	CS8752.000	2 + 2	6	M. Ernst	Tue 14-16 45.2.103		no	solely CogSys

Interdisciplinary Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Comment	Course pre-registration?	Planning
Cognitive Systems II	CS8901.002	3 + 1	6	Y. Kazakov	Mon 08-10 43.2.103, Thu 08-10 H21		no	solely CogSys
Recent Developments in Cognitive Systems Research	CS8755.000	2 + 1	6	H. Neumann, M. Ernst	Mon 16-17 1002, Thu 17-19 47.0.501		no	solely CogSys

Special Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Comment	Course pre-registration?	Planning
Perception								
Seminar Vision	CS5900.141	2	4	H. Neumann	Thu 10-12 4308		no	CogSys & Inf
Vision in Man and Machine	CS7823.001	3 + 1	6	H. Neumann mit D. Schmid	Wed 10-12 122, Wed 12-14 122		no	CogSys & Inf
Auditory Cognition	PSY75587.001	2 + 2	6	M. Ernst with T. Oess	Thu 12-14 43.1.250		yes	CogSys & Psy
Learning & Memory								
Advanced Methods in Data Mining and Machine Learning	CS6653.000	2 + 2	6	A. Scherp	Mon 12-14 H21, Wed 12-14 H20		no	CogSys & Inf
Business Process Intelligence	CS6633.000	2 + 2	6	M. Reichert with M. Möller	Tue 14-16 H20, Wed 16-18 H21		no	CogSys & Inf
Data Mining	CS7860.001	2 + 2	6	F. Schwenker	Di 14-16 H15, Do 12-14 H16		no	CogSys & Inf
DeepVision - Deep Learning and Convolutional Neural Networks in Computational Vision	CS8015.000	2 + 2	6	H. Neumann with D. Schmid	Mon 10-12 2203, Fri 8-10 H20		no	CogSys & Inf
Learning Systems I	CS8012.000	3 + 1	6	D. Braun	Tue 08-12 H21		no	CogSys & Inf
Self Regulation: Development, Neuro-Cognition and Psychopathology	PSY77089.001	2	4	M. Kiefer	Mon 16-18 Klinik für Psychiatrie III		yes	CogSys & Psy
Seminar Data Science - Master	CS5900.151	2	4	A. Scherp	by arrangement		no	CogSys & Inf
Text Analytics and Deep Learning	CS6655.000	2 + 2	6	A. Scherp	Mon 10-12 H20, Mi 10-12 2203		no	CogSys & Inf
Planning & Reasoning								
Explainable Artificial Intelligence	CS6390.000	2 + 2	6	Y. Kazakov with J. Karalus, A. Hallilovi	Tue 10-12 123, Thu 14-16 H21		no	CogSys & Inf
Interaction								
Human Factors in Transportation	PSY76548.001	3	6	M. Baumann	Mon 14-17 47.2.507		yes	CogSys & Inf
Neurotechnology: Brain-Machine-Interfacing	CS7904.000	2 + 2	6	D. Braun mit Z. Zhang	Fri 12-15 1002		no	CogSys & Inf
Methods, general Concepts & Tools								
Research Colloquium: Recent Developments in Cognitive Neuroscience and Cognitive Psychology	MED80000.016	2	4	M. Kiefer	Fri 11-12:30 Klinik für Psychiatrie III		yes	Medizin
Thinking about Science	HZ 3100.004	2	4	Eckle	Wed 17-20 N24-252		no	HZ
Topics in Cognitive Psychology	PSY00000.014	2	4	M. Ernst	Thu 10-12 43.1.250		yes	CogSys & Psy

Applied Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Comment	Course pre-registration?	Planning
Perception								
Project 3D Deep Learning (Compact)	CS8200.049	4	8	T. Ropinski	by arrangement		no	CogSys & Inf
Multisensory Perception for Action	PSY74682.001	4	8	M. Ernst	by arrangement		yes	CogSys & Psy
Perception for Action in Virtual Reality	CS8757.000	4	8	M. Ernst	by arrangement		yes	solely CogSys
Learning & Memory								
Project Deep Reinforcement Learning	CS8000.029	4	8	D. Braun with Z. Zhang, F. Wurzberger	by arrangement		no	CogSys & Inf
Project Learning Robots	CS8000.021	4	8	D. Braun with F. Wurzberger	by arrangement		no	CogSys & Inf
Planning & Reasoning								
Project Advanced Automated Reasoning	CS6400.009	4	8	Y. Kazakov	by arrangement		no	CogSys & Inf
Project Advanced Semantic Web	CS6400.005	4	8	B. Glimm with M. Illich	by arrangement		no	CogSys & Inf
Project AI for Autonomous Systems	CS6400.011	4	8	B. Glimm with A. Hallilovic	by arrangement		no	CogSys & Inf
Project AI in Games	CS6400.012	4	8	B. Glimm with J. Karalus, C. Olz	by arrangement		no	CogSys & Inf
Project Automated Reasoning	CS6400.006	4	8	Y. Kazakov	by arrangement		no	CogSys & Inf
Explainable Artificial Intelligence	CS6400.010	4	8	B. Glimm with A. Hallilovic, C. Olz	by arrangement		no	CogSys & Inf
Project Semantic Web	CS6400.007	4	8	B. Glimm with M. Illich	by arrangement		no	CogSys & Inf
Interaction								
Investigations in Cognitive Ergonomics - Basics	CS8758.000	4	8	A. Huckauf	by arrangement		yes	solely CogSys
Investigations in Cognitive Ergonomics - Research Trends	CS8759.000	4	8	A. Huckauf	by arrangement		yes	solely CogSys
Project Dialogue Systems	CS8410.013	2	8	W. Minker	by arrangement		no	solely CogSys
Project Human-Vehicle Interaction	PSY74593.001	4	8	M. Baumann with N. Figalova	Wed 16-18 47.1.508		yes	CogSys & Psy
Project User-Centered Design for Interactive Systems I	CS8200.041	5	8	E. Rukzio with T. Wagner	by arrangement		no	CogSys & Inf
Project User-Centered Design for Interactive Systems II	CS8200.042	5	8	E. Rukzio with T. Wagner	by arrangement		no	CogSys & Inf
Applied methods and concepts in Cognitive Systems								
Project Data Science on Very Large Data Sets	CS6700.019	4	8	A. Scherp	by arrangement		no	CogSys & Inf
Project Design Thinking for Interactive Systems compact	CS8200.051	5	8	E. Rukzio	by arrangement		no	CogSys & Inf
Internet of Medical Things	ENGBMT 75351	4	8	W. Karlen	Mon 15:30-18:30 45.2.102		yes	CogSys & ET
Investigating Functions in Perception, Cognition and Motor Behavior	CS8000.028	4	8	D. Braun, H. Neumann, M. Ernst	by arrangement		no	CogSys & Inf
Neurophysiological Assessment: Principles and Applications (Project Mobile Assessment of Biosignals)	CS8760.000	2	8	C. Herbert with T. Gujar	11.04. 47.2.503 12.04. 47.2.503 18.04. 47.2.503 19.04. 47.2.507	Block course	yes	solely CogSys