

Courses summer term 2022 for Cognitive Systems

from 2022/04/12

Basic Subject

Course	implementation	Course-#	Hours	ECTS	Organizer	Time/Place	pre-registration?	Link to LSF
Fundamental Approaches to Cognitive Science	Hybrid	CS8752.000	2 + 2	6	M. Ernst / M. Verneau	Tue 14-16 45.2.103	no	LSF

Interdisciplinary Subject

Course	implementation	Course-#	Hours	ECTS	Organizer	Time/Place	pre-registration?	Link to LSF
Cognitive Systems II	On-site	CS8901.002	3 + 1	6	Y. Kazakov	Mon 08-10 43.2.103, Thu 08-10 H21	no	LSF
Recent Developments in Cognitive Systems Research	On-site	CS8755.000	2 + 1	6	H. Neumann	Mon 16-17 1002, Thu 17-19 47.0.501	no	LSF

Special Subject

Course	implementation	Course-#	Hours	ECTS	Organizer	Time/Place	pre-registration?	Link to LSF
Perception								
Computer Vision I	On-site	CS5490.000	3 + 1	6	H. Neumann	Mon 10-12 123, Fri 08-10 2203	no	LSF
Seminar Vision	On-site	CS5900.141	2	4	H. Neumann	Thu 10-12 4308	no	LSF
Vision in Man and Machine	On-site	CS7823.001	3 + 1	6	H. Neumann mit D. Schmid	Wed 10-12 122, Wed 12-14 122	no	LSF
Learning & Memory								
Business Process Intelligence	Online	CS6633.000	2 + 2	6	M. Reichert with M. Winter	Tue 14-16 H20, Wed 16-18 H20	no	LSF
Data Mining	On-site	CS7860.001	2 + 2	6	F. Schwenker	Tue 14-16 H16, Thu 12-14 H13	no	LSF
DeepVision - Deep Learning and Convolutional Neural Networks in Computational Vision	On-site	CS8015.000	2 + 2	6	H. Neumann with C. Jarvers, D. Schmid	block course	no	LSF
Learning Systems I	On-site	CS8012.000	3 + 1	6	D. Braun with H. Hihn	Thu 08-12 123	no	LSF
Planning & Reasoning								
Algorithms for Knowledge Representation	Combi	CS6321.001	3 + 1	6	B. Glimm, Y. Kazakov	Tue 16-18 H21, Fri 10-12 2202	no	LSF
Explainable Artificial Intelligence	On-site	CS6390.000	2 + 2	6	F. Lindner	Tue 10-12 1002, Thu 14-16 1002	no	LSF
Interaction								
Human Factors in Transportation	On-site	PSY76548.001	3	6	M. Baumann	Mon 10-13 47.1.506	yes	LSF
Neurotechnology: Brain-Machine-Interfacing	Combi	CS7904.000	2 + 2	6	D. Braun mit S. Schach	Fri 12-15 1002	no	LSF
Methods, general Concepts & Tools								
Generalized Linear Mixed Models (GLMMs) for modeling change in categorical and ordered-categorical variables	On-site	PSY74745.005	2	6	D. Zimprich	block course	yes	LSF
Programming Concepts for Cognitive Systems	On-site	CS6308.000	2 + 2	6	B. Glimm	Mon 14-16 2202, Tue 10-12 2201	no	LSF
Research Colloquium: Recent Developments in Cognitive Neuroscience and Cognitive Psychology	On-site	MED80000.016	2 + 2	4	M. Kiefer	Fri 11-12:30 Klinik für Psychiatrie III	yes	LSF
Thinking about Science	On-site	HSZ 3100.002	2	4	Eckle	Wed 17-20 N25-2103	no	LSF
Topics in Cognitive Psychology	On-site	PSY00000.014	2	4	M. Ernst	Thu 10-12 43.1.250	yes	LSF

Applied Subject

Course	implementation	Course-#	Hours	ECTS	Organizer	Time/Place	pre-registration?	Link to LSF
Perception								
Visual Information Processing (Project and Seminar)	On-site	CS5900.133	4	8	H. Neumann with Ch. Jarvers	Thu 12-14 4308	no	LSF
Learning & Memory								
Project Deep Reinforcement Learning	On-site	CS8000.029	4	8	D. Braun with Z. Zhang	by arrangement	no	LSF
Planning & Reasoning								
Project Advanced Automated Reasoning	Hybrid	CS6400.009	4	8	Y. Kazakov	by arrangement	no	LSF
Project Advanced Semantic Web	Hybrid	CS6400.005	4	8	B. Glimm	by arrangement	no	LSF
Project AI for Autonomous Systems	On-site	CS6400.011	4	8	F. Lindner	by arrangement	no	LSF
Project AI in Games	On-site	CS6400.012	4	8	F. Lindner	by arrangement	no	LSF
Project Automated Reasoning	Hybrid	CS6400.006	4	8	Y. Kazakov	by arrangement	no	LSF
Explainable Artificial Intelligence	On-site	CS6400.010	4	8	F. Lindner	by arrangement	no	LSF
Project Semantic Web	Hybrid	CS6400.007	4	8	B. Glimm	by arrangement	no	LSF
Interaction								
Investigations in Cognitive Ergonomics - Basics	On-site	CS8758.000	4	8	A. Huckauf	by arrangement	yes	LSF
Investigations in Cognitive Ergonomics - Research Trends	On-site	CS8759.000	4	8	A. Huckauf	by arrangement	yes	LSF
Project Dialogue Systems for Cognitive Systems	On-site	CS8410.007	4	8	W. Minker	by arrangement	no	LSF
Project Driver-Vehicle Interaction	On-site	PSY73056.001	4	8	M. Baumann with L. Heinrich, N. Figalova	Tue 10-12 47.2.507	yes	LSF
Project Mobile Assessment of Biosignals		PSY74741.001	4	8	C. Herbert with T. Gujar	block course	yes	LSF
Applied methods and concepts in Cognitive Systems								
Data Science on very large data sets	Combi	CS6700.019	4	8	A. Scherp	by arrangement	no	LSF
Design, Implementation and Evaluation of Humanoid Robots as Cognitive Systems	On-site	PSY73056.004	4	8	M. Baumann with J. Kraus	Tue 14-16 47.1.508	yes	LSF
Internet of Medical Things	On-site	ENGBMT 75351	4	8	W. Karlen	Tue 8-10 45.2.102	yes	LSF
Investigating Functions in Perception, Cognition and Motor Behavior	On-site	CS8000.028	4	8	D. Braun, H. Neumann, M. Ernst	by arrangement	no	LSF