

Courses winter term 2022/23 for Cognitive Systems FSPO 2017

from 2022/10/20

Basic Subject

Course program Psychology for non-psychologists

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Introduction to Psychological Methods and Statistics for non-psychologists	CS8751.000	2 + 2	6	M. Ernst	Wed 14-16 47.1.506, Thu 12-14 47.1.506	no

Course program Computer Science for non-computer Scientists

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Introduction to Computer Science for non-computer scientists	CS6307.000	3 + 1	6	Y. Kazakov	Tue 16-18 123, Fri 12-14 121	no

Course program Computer Science for all participants

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Fundamentals of Human-Machine Interaction	CS8153.001	2 + 2	6	H. Neumann with D. Schmid	Wed 10-12 H21, Thu 10-12 2201	no
Foundations and Concepts of Cognitive Systems Modeling	CS7887.000	2 + 2	6	D. Braun with S. Gottwald	Mon 14-16 1002, Fri 10-12 1002	no

Interdisciplinary Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Cognitive Systems I	CS7882.002	3 + 1	6	H. Neumann, M. Ernst, D. Braun	Mon 12-14 H21, Thu 14-16 H21	no
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

Special Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Perception						
Computer Vision II - Multiple Image Analysis	CS7815.002	3 + 1	6	H. Neumann mit C. Jarvers	Mon 10-12 1002, Fri 8-10 2203	no
Specialization in Cognitive Psychology	PSY74739.000	2	4	A. Huckauf with W. Lau	Mon 14-16 47.1.507	yes
Learning & Memory						
Graph Analytics and Deep Learning	CS6654.000	2 + 2	6	A. Scherp	Mon 12-14 2203, Do 10-12 123	no
Learning Systems II	CS8013.000	3 + 1	6	D. Braun with S. Gottwald	Tue 08-10 H21, Tue 10-12 2202	no
Planning & Reasoning						
Knowledge-Based Artificial Intelligence	CS6396.000	2 + 2	6	B. Glimm with. Y. Kazakov	Wed 8-10 2203, Wed 12-14 2203	no
Interaction						
Neurotechnology: Brain-Machine-Interfacing	CS7904.000	2 + 2	6	D. Braun with Z. Zhang	by arrangement	no
Psychology of Automation	PSY76549.001	3	6	M. Baumann	Mon 14-17 47.2.505	yes
Methods, general Concepts & Tools						
Concepts of intelligence	CS5900.156	2	4	D. Braun	by arrangement	no
Introduction to Human Neuroanatomy and Neurophysiology		2 + 2	6	L. Dimou, D. Yilmazer-Hanke	Wed 8-10 O29-3003, Mon 8-10 TTU	yes
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
Thinking about Science (Colloq)	3.100.002	2	4	H. Eckle	Wed 17-20 N25-2103	no
Topics in Cognitive Psychology (Colloq)	PSY00000.014	2	4	M. Ernst	Thu 10-12 43.1.250	no

Applied Subject

Course	Course-#	Hours	ECTS	Organizer	Time/Place	Course pre-registration?
Perception						
Computational Vision and Image Processing	CS8000.016	4	8	H. Neumann mit C. Javers	by arrangement	no
Deep Learning for Graphics and Visualization	CS8200.043	4	8	T. Ropinski	by arrangement	no
Multisensory Perception for Action 1	CS8756.000	4	8	M. Ernst	by arrangement	yes
Multisensory Perception for Action 2	CS8757.000	4	8	M. Ernst	by arrangement	yes
Learning & Memory						
Project Deep Reinforcement Learning	CS8000.029	4	8	D. Braun mit Z. Zhang	Mon 14-16	no
Projectseminar Deep Learning Architectures	CS8000.023	4	8	D. Braun, F. Schwenker	by arrangement	no
Planning & Reasoning						
Project Advanced Automated Reasoning	CS6400.009	4	8	Y. Kazakov	by arrangement	no
Project Advanced Semantic Web	CS6400.005	4	8	B. Glimm with M. Illich	by arrangement	no
Project AI for Autonomous Systems	CS6400.011	4	8	F. Lindner	by arrangement	no
Project AI in Games	CS6400.012	4	8	F. Lindner	by arrangement	no
Project Automated Reasoning	CS6400.006	4	8	Y. Kazakov	by arrangement	no
Project Explainable Artificial Intelligence	CS6400.010	4	8	F. Lindner	by arrangement	no
Project Semantic Web	CS6400.007	4	8	B. Glimm with M. Illich	by arrangement	no
Interaction						
Investigations in Cognitive Ergonomics - Basics	CS8758.000	4	8	A. Huckauf	by arrangement	yes
Investigations in Cognitive Ergonomics - Research Trends	CS8759.000	4	8	A. Huckauf	by arrangement	yes
Project Driver-Vehicle Interaction ("Cooperation in Traffic")	PSY73056.001	2	8	M. Baumann, L. Miller, L. Heinrich	Di 14-16 47.1.506	yes
Project Dialogue Systems for Cognitive Systems	CS8410.007	4	8	W. Minker	by arrangement	no
Applied methods and concepts in Cognitive Systems						
Internet of Medical Things	ENGBMT 75351	4	8	W. Karlen	Tue 8-10	yes
Investigating Functions in Perception, Cognition and Motor Behavior	CS8000.028	4	8	M. Ernst, D. Braun, H. Neumann	by arrangement	no
Project Data Science on Very Large Data Sets	CS6700.019	4	8	A. Scherp	by arrangement	no