

Courses winter term 2022/23 for Cognitive Systems FSPO 2017

from 2023/01/16

Basic Subject

Course program Psychology for non-psychologists

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Introduction to Psychological Methods and Statistics for non-psychologists	CS8751.000	2 + 2	6	M. Ernst	M. Ernst	14247 01.03.23 14:00 47.0.501; 04.04.2023 13:00 47.0.501

Course program Computer Science for non-computer Scientists

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Introduction to Computer Science for non-computer scientists	CS6307.000	3 + 1	6	Y. Kazakov	Y. Kazakov	13679 23.02.2023 12:00 H20; 05.04.2023 13:00 H2C

Course program Computer Science for all participants

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Fundamentals of Human-Machine Interaction	CS8153.001	2 + 2	6	H. Neumann with D. Schmid	H. Neumann	14631 06.03.2023 10:00 H20; 12.04.2023 9:00 H2C
Foundations and Concepts of Cognitive Systems Modeling	CS7887.000	2 + 2	6	D. Braun with S. Gottwald	D. Braun	14252 02.03.2023 13:00 H20; 31.03.2023 12:00 H2C

Interdisciplinary Subject

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Cognitive Systems I	CS7882.002	3 + 1	6	H. Neumann, M. Ernst, D. Braun	D. Braun	13520 27.02.2023 11:00 H20; 28.03.2023 09:00 H2C
Recent Developments in Cognitive Systems Research	CS8755.000	2 + 1	6	H. Neumann, M. Ernst	M. Ernst	14632 individual exam

Special Subject

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Perception						
Computer Vision II - Multiple Image Analysis	CS7815.002	3 + 1	6	H. Neumann mit C. Jarvers	H. Neumann	14718 17.02.23 14:00 H21; 06.04.23 10:00 H21
Specialization in Cognitive Psychology	PSY74739.00	2	4	A. Huckauf with W. Lau	A. Huckauf	13839 31.03.23
Learning & Memory						
Graph Analytics and Deep Learning	CS6654.000	2 + 2	6	A. Scherp	A. Scherp	15280 individual exam
Learning Systems II	CS8013.000	3 + 1	6	D. Braun with S. Gottwald	D. Braun	14258 individual exam
Planning & Reasoning						
Knowledge-Based Artificial Intelligence	CS6396.000	2 + 2	6	B. Glimm with. Y. Kazakov	B. Glimm	17003 01.03.23 10:00 H1; 13.04.23 10:00 H20
Interaction						
Neurotechnology: Brain-Machine-Interfacing	CS7904.000	2 + 2	6	D. Braun with Z. Zhang	D. Braun	14257 individual exam
Psychology of Automation	PSY76549.001	3	6	M. Baumann	M. Baumann	14770 individual exam
Methods, general Concepts & Tools						
Concepts of intelligence	CS5900.156	2	4	D. Braun	D. Braun	14259 individual exam
Introduction to Human Neuroanatomy and Neurophysiology		2 + 2	6	L. Dimou, D. Yilmazer-Hanke	Yilmazer-Hanke, Dimou	14311 15.02.23 10:00 3003, 06.02.23 10:00 3001
Research Colloquium: Recent Developments in Cognitive Neuroscience and Cognitive Psychology	MED80000.016	2	4	M. Kiefer	M. Kiefer	13668 31.03.23
Thinking about Science (Colloq)	3.100.002	2	4	H. Eckle	R. Breuningner	13664 17.02.2023 oral exam
Topics in Cognitive Psychology (Colloq)	PSY00000.014	2	4	M. Ernst	M. Ernst	14677 individual exam

Applied Subject

Course	Course-#	Hours	ECTS	Organizer	Examiner	Exam
Perception						
Computational Vision and Image Processing	CS8000.016	4	8	H. Neumann mit C. Javers	H. Neumann	13653 individual exam
Deep Learning for Graphics and Visualization	CS8200.043	4	8	T. Ropinski	T. Ropinski	15294 individual exam
Multisensory Perception for Action 1	CS8756.000	4	8	M. Ernst	M. Ernst	14682 30.03.23
Multisensory Perception for Action 2	CS8757.000	4	8	M. Ernst	M. Ernst	14683 30.03.23
Learning & Memory						
Project Deep Reinforcement Learning	CS8000.029	4	8	D. Braun mit Z. Zhang	D. Braun	15291 individual exam
Projectseminar Deep Learning Architectures	CS8000.023	4	8	D. Braun, F. Schwenker	F. Schwenker, D. Braun	14602 individual exam
Planning & Reasoning						
Project Advanced Automated Reasoning	CS6400.009	4	8	Y. Kazakov	Y. Kazakov	14612 individual exam
Project Advanced Semantic Web	CS6400.005	4	8	B. Glimm with M. Illich	B. Glimm	14606 individual exam
Project AI for Autonomous Systems	CS6400.011	4	8	F. Lindner	B. Glimm	15307 individual exam
Project AI in Games	CS6400.012	4	8	F. Lindner	B. Glimm	15292 individual exam
Project Automated Reasoning	CS6400.006	4	8	Y. Kazakov	Y. Kazakov	14614 individual exam
Project Explainable Artificial Intelligence	CS6400.010	4	8	F. Lindner	B. Glimm	15137 individual exam
Project Semantic Web	CS6400.007	4	8	B. Glimm with M. Illich	B. Glimm	14605 individual exam
Interaction						
Investigations in Cognitive Ergonomics - Basics	CS8758.000	4	8	A. Huckauf	A. Huckauf	14652 30.03.23
Investigations in Cognitive Ergonomics - Research Trends	CS8759.000	4	8	A. Huckauf	A. Huckauf	14653 30.03.23
Project Driver-Vehicle Interaction ("Cooperation in Traffic")	PSY73056.001	2	8	M. Baumann, L. Miller, L. Heinrich	M. Baumann	14593 15.03.23
Project Dialogue Systems for Cognitive Systems	CS8410.007	4	8	W. Minker	W. Minker	15007 individual exam
Applied methods and concepts in Cognitive Systems						
Internet of Medical Things	ENGBMT 75351	4	8	W. Karlen	W. Karlen	15351 individual exam
Investigating Functions in Perception, Cognition and Motor Behavior	CS8000.028	4	8	M. Ernst, D. Braun, H. Neumann	M. Ernst	14655 individual exam
Project Data Science on Very Large Data Sets	CS6700.019	4	8	A. Scherp	A. Scherp	15192 individual exam