

Courses in the winter term 2022/23, 2024 examination regulations

Note: All mandatory elective courses ("Wahlpflichtbereich") can usually also be assigned to the Bachelor and Master Electives ("profilbildender Wahlbereich", CS-BW and CS-MW), even if this assignment is not explicitly stated below. Study Projects and Accompanying Seminars ("Begleitseminare") are for Masters' students only. For more information about the module identifiers, see the module descriptions here: https://www.ikw.uni-osnabrueck.de/fileadmin/user_upload/study_information/Modulbeschreibungen_CognitiveScience_2024-08.pdf

No.	Name	Workgroup	Lecturers	ECTS	BSc. Module	MSc. Module
8.3018	Methods of AI (Lecture)	Artificial Intelligence	Kühnberger, Kai-Uwe, Muhammad Abdelmoneim, Nohayr	4	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3019	Methods of AI (Seminar)	Artificial Intelligence	Kühnberger, Kai-Uwe, Muhammad Abdelmoneim, Nohayr	4	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3125	Cognitive human-computer interaction	Artificial Intelligence	Kühnberger, Kai-Uwe	4	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3549	Learning about AI	Artificial Intelligence	Thelen, Tobias	4	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3555	Schreiben im Fremdsprachenunterricht Französisch/Spanisch	Artificial Intelligence	Thelen, Tobias	4	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3568	Development of language training tools	Artificial Intelligence	Thelen, Tobias, Dovhaniuk, Ella, Feshchenko, Olena, Ignatenko, Victoria, Vukulova, Kateryna	8	CS24-BWP-AI-x	CS24-MWP-AI-x
8.3575	Practical cognitive science communication (Block seminar)	Artificial Intelligence	Thelen, Tobias, Krieger, Laura	8	CS24-BW	CS24-MW
8.3016	Foundations of Cognitive Science	Cognitive Modelling	Hohenberger, Annette, Stephan, Achim	3	CS24-BP-FCS	CS24-MW
8.3365	Cognitive Development	Cognitive Modelling	Hohenberger, Annette	6	CS24-BWP-CMP-x	CS24-MWP-CMP-x
8.3375	Academic Writing in Empirical Domains of Cognitive Science	Cognitive Modelling	Hohenberger, Annette, Gerdes, Janna	4	CS24-BW	CS24-MW
8.3396	Social Cognition	Cognitive Modelling	Hohenberger, Annette	6	CS24-BWP-CMP-x	CS24-MWP-CMP-x
8.3467	What can cognitive scientists do to save chimpanzees? (Part V)	Comparative Biocognition	Pika, Simone, Southern, Lara	12	/	CS24-MP-SP
8.3484	Begleitseminar zum Studienprojekt: What can cognitive scientists do to save chimpanzees?	Comparative Biocognition	Pika, Simone	6	/	CS24-MWP-CBC-x
8.3552	Study Project: The mentality of apes by Wolfgang Köhler: One century later (Part I)	Comparative Biocognition	Pika, Simone	12	/	CS24-MP-SP
8.3553	Begleitseminar zum Studienprojekt: The mentality of apes by Wolfgang Köhler: One century later (Part I)	Comparative Biocognition	Pika, Simone	6	/	CS24-MWP-CBC-x
8.3068	Computer Vision (Lecture + Practice)	Computer Vision	Heidemann, Gunther, Krumnack, Ulf	12	CS24-BWP-CV-x	CS24-MWP-CV-x
8.3288	Advanced Machine Learning	Computer Vision	Heidemann, Gunther	4	CS24-BWP-CV-x	CS24-MWP-CV-x
8.3560	Deep learning for audio processing	Computer Vision	Krumnack, Ulf, Schaffland, Axel	4	CS24-BWP-CV-x	CS24-MWP-CV-x
8.3576	Study Project: Promoting your wellbeing - Theory and practice	Computer Vision	Krumnack, Ulf	12	/	CS24-MP-SP, CC24-MP-SP
8.3577	Begleitseminar zum Studienprojekt: Promoting your wellbeing - Theory and practice	Computer Vision	Krumnack, Ulf	6	/	CS24-MWP-AI-x
8.3529	Introduction to ethics of AI	Ethics of AI	Mühlhoff, Rainer	4	CS24-BP-EAI	CS24-MW
8.3536	Colloquium Ethics in the digital society	Ethics of AI	Mühlhoff, Rainer	4	CS24-BWP-EAI-x	CS24-MWP-EAI-x
8.3539	Study Project: Data Ethics Outreach Lab Part II	Ethics of AI	Mühlhoff, Rainer, Schütze, Paul, Lindemann, Nora Freya, Siebold, Jan-Philipp	12	/	CS24-MP-SP
8.3540	Data Ethics Outreach Lab (Begleitseminar zum Studienprojekt)	Ethics of AI	Mühlhoff, Rainer, Schütze, Paul, Lindemann, Nora Freya, Siebold, Jan-Philipp	6	/	CS24-MWP-EAI-x
8.3547	Capital, nature and the climate crisis: An overview	Ethics of AI	Schütze, Paul	4	CS24-BWP-EAI-x	CS24-MWP-EAI-x
8.3548	What is Critique? A philosophical introduction	Ethics of AI	Mühlhoff, Rainer	4	CS24-BWP-EAI-x	CS24-MWP-EAI-x
8.3567	Discrimination and AI	Ethics of AI	Lindemann, Nora Freya	4	CS24-BWP-EAI-x	CS24-MWP-EAI-x
8.4390	Einführung in die Ethik	Institut für Philosophie	Boshammer, Susanne	4	CS24-BWP-EAI-x	CS24-MW
8.4391	Metaphor	Institut für Philosophie	Kompa, Nikola	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.4393	Einführung in die soziale Erkenntnistheorie	Institut für Philosophie	Kompa, Nikola	4	CS24-BWP-PHIL-x	CS24-MW
8.4394	Einführung in die Sprachphilosophie	Institut für Philosophie	Kompa, Nikola	4	CS24-BWP-PHIL-x	CS24-MW
8.4405	Einführung in die Philosophie der künstlichen Intelligenz	Institut für Philosophie	Brinz, Johannes	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
SPZ 1.510	English for Studying Cognitive Science and Psychology: Introduction to Academic English	Language Center	Lauterbach, Frank	4	CS24-BW	CS24-MW
8.3017	Interdisciplinary Course: Lab Rotation	LE Cognitive Science	Lehrende IKW	12	/	CS24-MW
8.3029	Colloquium of the Institute of Cognitive Science	LE Cognitive Science	Heidemann, Gunther, Nolte, Debora, Hörzer, Gregor Michael, Krumnack, Ulf	2	CS24-BW	CS24-MW
8.3383	Language and Communication Colloquium	LE Cognitive Science	Hohenberger, Annette, Pika, Simone, Gotzner, Nicole	2	CS24-BW	CS24-MW
8.3571	Study project: Perceptual enhancement technologies Part I	LE Cognitive Science	Schöning, Julius	12	/	CS24-MP-SP, CC24-MP-SP
8.3572	Begleitseminar zum Studienprojekt: Perceptual enhancement technologies Part I	LE Cognitive Science	Schöning, Julius	8	/	CS24-MWP-CV-x
8.3562	Machine learning in cognitive computational neuroscience	Machine Learning	Kietzmann, Tim Christian	8	CS24-BWP-CNS-x	CS24-MWP-CNS-x
8.3304	Implementing ANNs with TensorFlow	Natural Language Processing	Kietzmann, Tim Christian, Bruni, Elia	8	CS24-BWP-CL-x	CS24-MWP-CL-x
8.3470	Deep learning for natural language processing	Natural Language Processing	Bruni, Elia	8	CS24-BWP-CL-x	CS24-MWP-CL-x

8.3564	Robustness and generalisation in natural language processing	Natural Language Processing	Bruni, Elia	8	CS24-BWP-CL-x	CS24-MWP-CL-x
8.3578	Study Project: Emergent behaviors in a multi-agent system with reinforcement learning	Natural Language Processing	Bruni, Elia, Mayer, Julius	12	/	CS24-MP-SP, CC24-MP-SP
8.3579	Begleitseminar zum Studienprojekt: Emergent behaviors in a multi-agent system with reinforcement learning	Natural Language Processing	Bruni, Elia, Mayer, Julius	6	/	CS24-MWP-CL-x
8.3397	Action & Cognition: Computational Cognition (Blockseminar)	Neurobiopsychology	König, Peter, Keshava, Ashima	4	CS24-BWP-CNS-x	CS24-MWP-CNS-x
8.3532	Designing and conducting an EEG study in VR	Neurobiopsychology	König, Peter, Nolte, Debora	4	CS24-BWP-CNS-x	CS24-MWP-CNS-x
8.3047	Neuroinformatics (Lecture + Tutorial)	Neuroinformatics	Pipa, Gordon, Nosrat Nezami, Farbod	12	CS24-BP-NI	CS24-MW
8.3556	Why we dream	Neuroinformatics	Pipa, Gordon, Lüth, Katharina	4	CS24-BWP-CMP-x	CS24-MWP-CMP-x
8.3574	From Polysomnography to dream engineering: Sleep and dream technologies of the past, presence and future (Block course)	Neuroinformatics	Appel, Kristoffer, Pipa, Gordon	4	CS24-BWP-CMP-x	CS24-MWP-CMP-x
8.3580	Neuromorphic computing: Principles, Implementation of Computing with neuroinspired technologies (Block seminar taught by Dr. Daniel Brunner)	Neuroinformatics	Pipa, Gordon	4	CS24-BWP-NI-x	CS24-MWP-NI-x
8.3581	How does a quantum computer work? (Block seminar taught by Prof. Dr. Peter Rabl)	Neuroinformatics	Pipa, Gordon	4	CS24-BWP-NI-x	CS24-MWP-NI-x
8.3023	Anleitung zum wissenschaftlichen Arbeiten (CS-BP-MCS, CS-BW-IWS)	Philosophy of Mind and Cognition	Meyer, Uwe	6	CS24-BW	CS24-MW
8.3053	Reading Club "Affectivity"	Philosophy of Mind and Cognition	Stephan, Achim, Walter, Sven	2	CS24-BW	CS24-MW
8.3159	Introduction to the Philosophy of Emotions	Philosophy of Mind and Cognition	Stephan, Achim	6	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3465	Study Project: Situated Affectivity and Cognition and their application (Part V)	Philosophy of Mind and Cognition	Stephan, Achim, Walter, Sven	12	/	CS24-MP-SP
8.3466	Begleitseminar zum Studienprojekt: Situated Affectivity and Cognition and their application	Philosophy of Mind and Cognition	Stephan, Achim, Walter, Sven	6	/	CS24-MWP-PHIL-x
8.3507	Introduction to Logic and Critical Thinking	Philosophy of Mind and Cognition	Hörzer, Gregor Michael	6	CS24-BP-LOG	CS24-MW
8.3550	Vagueness	Philosophy of Mind and Cognition	Walter, Sven	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3557	Freedom of the will, crime and drugs (Intensive course)	Philosophy of Mind and Cognition	Meyer, Uwe	6	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3558	Neuere Bücher über Willensfreiheit und Wissenschaft Teil I	Philosophy of Mind and Cognition	Meyer, Uwe	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3559	Neuere Bücher über Willensfreiheit und Wissenschaft Teil II	Philosophy of Mind and Cognition	Meyer, Uwe	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3565	Philosophy and strong AI	Philosophy of Mind and Cognition	Walter, Sven	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3566	Bildung	Philosophy of Mind and Cognition	von Maur, Imke	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3570	Philosophy of existential feelings	Philosophy of Mind and Cognition	Stephan, Achim	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3573	Rationality, Emotions, Understanding	Philosophy of Mind and Cognition	von Maur, Imke	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3582	Freedom of the will, crime and drugs (Intensive course - 4 ECTS)	Philosophy of Mind and Cognition	Meyer, Uwe	4	CS24-BWP-PHIL-x	CS24-MWP-PHIL-x
8.3561	Introduction to data analysis	Psycho- and Neurolinguistics	Gotzner, Nicole	8	CS24-BP-SDA	CS24-MW