

Cognitive Science - Courses in the winter term 2023/24 by times (as of August 9, 2023)

Compulsory Modules Bachelor (Pflichtbereich Bachelor)

	MON	TUE	WED	THU	FRI
08-10	8-10 Mathematik für Anwender I (Brenner)				
10-12	10-12 Lineare Algebra I (Spitzweck)	10-12 Analysis I (Kunis)	10-12: Introduction to Logic and Critical Thinking (Hörzer) 10-12 Lineare Algebra I (Spitzweck)	10-12 Analysis I (Kunis)	10-12: Introduction to Neurobiology (Brandt, Bakota) 10-12: Neuroinformatics (Nieters)
12-14					12-14: Foundations of Cognitive Science (Hohenberger) 12-14: Neuroinformatics (Nieters) 12-14 Mathematik für Anwender I (Brenner)
14-16	14-16: Einführung in die Programmierung (Bökler) 14-16: Informatik für Anwendende (Brinkmeyer)	14-16: Einführung in die Programmierung (Bökler) 14-16: Informatik für Anwendende (Brinkmeyer)		14-16: Neuroinformatics (Nieters)	14-16: Functional Neuranatomy (Brandt, Bakota)
16-18				16-19: Introduction to Statistics and Data Analysis (Achimova)	
18-20					

Green: Courses offered by other institutes

Optional Compulsory Modules Bachelor / Master (Wahlpflichtbereich Bachelor / Master)

	MON	TUE	WED	THU	FRI
08-10		9-12: Objective and Subjective Perspectives on Mind, Knowledge, Ethics, Life, and Death - Intensive course (Meyer)	8-10: Deep Learning for Natural Language Processing (Bruni) 9-12: Cognitive Science in Cultural Perspective (Hohenberger)	9-12: <i>Independent Study Project: Think Like a Feminist (Walter) (*)</i>	8-12: Principles of Biomedical Ethics (Beauchamp, Childress)
10-12		10-12: Machine Learning in CCN (Kietzmann, Thorat) 10-12: Deep Representation Learning (Krumnack, NN)	10-12: Machine Learning in CCN (Kietzmann, Thorat) 10-12: Computer Vision (Heidemann, Krumnack) 10-12: Journal Club "Spatial Cognition" (König, Schmidt) 10-12: Vernunft, Gefühle, das Gute (Meyer) 10-12: Boy Meets Girl: Deconstructing Myths about Intimate Relationships (Walter) 10-12: Microcosm.ai (Bruni, Meyer)	10-12: Computer Vision (Heidemann, Krumnack)	10-12: Reading Group: The Principles of Deep Learning Theory (Krumnack, Abdelmoneim)

Orange: Master course only! Blue: Bachelor course only! (*) Upon personal invitation only!

	MON	TUE	WED	THU	FRI
12-14	12-14: Action and Cognition: Higher Cognitive Functions (König, NN)	12-14: Deep Learning for Natural Language Processing (Bruni) 12-14: Modeling in Cognitive Neuroscience (Musslick) 12-14: Marxist Feminism and Black Marxism (Schütze) 13-16: Tools and the Mind (Hohenberger)	12-14: Implementing ANNs with TensorFlow (Bruni)	12-14: Advanced Machine Learning (Heidemann)	12-14: AI and the Web (Thelen) 12-15: Atypical Language Development (Achimova)
14-16	14-16: Implementing ANNs with TensorFlow (Bruni)	14-16: Computer Vision (Heidemann, Krumnack) 14-16: Introduction to Aristotle's Ethics (Mühlhoff) 14-18: Forschungsseminar „Wirklichkeit – Kritik – Verstehen“ (von Maur) 14-18: Psychosemantics (Gotzner)	14-15: Language and Communication Colloquium (Bruni, Gotzner, Hohenberger, Pika) 14-16: Implementing ANNs with TensorFlow (Bruni) 14-18: Anleitung zum wissenschaftlichen Arbeiten (Meyer)	14-16: Methods of AI – Seminar (Kühnberger, Abdelmoneim) 14-16: Reduction and Emergence (Loock) 14-16: Academic Writing in Empirical Domains of Cognitive Science (Hohenberger)	14-16: Methods of AI – Lecture (Kühnberger, Abdelmoneim) 14-16: AI in Public Discourse (Thelen)
16-18		16-18: Auditory Display (Heidemann)			
18-20	18-20: Action and Cognition: Visual System (König, NN)	18-20: Reading Club “Affectivity” (Hörzer, Walter)		18-20: Cognitive Human-Computer-Interaction (Kühnberger)	

[Orange: Master course only!](#)

Optional Compulsory Modules Bachelor / Master (Wahlpflichtbereich Bachelor / Master)

Block courses:

- Quest (König, Schmidt)
- Advanced NLP (Bruni)
- Inventing an new language (NN, Gotzner)
- Feminist Ethics (Lindemann)
- Preprocessing and Analyzing EEG signals (König, Nolte)
- Introduction to Sleep and Dream (Pipa, Lüth)

Compulsory Modules Master: Study projects (SP), interdisciplinary courses (IDC) (Pflichtbereich Master)

	MON	TUE	WED	THU	FRI
08-10					
10-12	<p>10-12: [SP&IDC] Sensory Augmentation and Grasping Movements: Making Blind People Grasp – Part II (König, NN)</p> <p>10-12: [SP] Promoting your Well-Being - Theory and Practice – Part III (Krumnack, NN)</p> <p>10-12: [IDC] Evaluation of Cognitive Enhancement Technologies: Can Technology Improve Cognitive Skills (Schöning)</p>	<p>10-12: [IDC] Machine Learning in Cognitive Computational Neuroscience (Kietzmann, Thorat)</p> <p>10-14: [IDC] Practical Cognitive Science Communication (Thelen)</p>	<p>10-12: [IDC] Machine Learning in Cognitive Computational Neuroscience (Kietzmann, Thorat)</p> <p>10-12: [IDC] Boy Meets Girl: Deconstructing Myths about Intimate Relationships (Walter)</p> <p>10-13: [SP&IDC] The secret lives of adjectives – The Psycholinguistics of Adjective Use (Part II) (Tourtour)</p>		<p>10-12: [SP] Bed of the Future (Part II) (Appel)</p>
12-14		<p>12-14: [IDC] AI and Education – Explaining what ChatGPT is (not) (von Maur)</p>			
14-16	<p>14-16: [SP] Dyadic eye tracking in virtual reality to investigate visual interaction – Part I (König, Nolte, J. Walter)</p>	<p>14-16: [SP] Human-A and EEG (König, Nolte, Sanchez)</p> <p>15-16: [SP&IDC] The Mentality of Apes by Wolfgang Köhler: A century later – Part III (Pika)</p> <p>15-18: [SP&IDC] Emergent Behaviors in a Multi-Agent System with Reinforcement Learning (Bruni, Mayer)</p>	<p>14-17: [SP&IDC] Data Ethics Outreach Lab (Mühlhoff)</p>	<p>15-18: [SP&IDC] Emergent Behaviors in a Multi-Agent System with Reinforcement Learning (Bruni, Mayer)</p>	<p>14-16: [IDC] AI in Public Discourse (Thelen)</p>
16-18		<p>16-18: [SP] Why do the Folk believe that Free Will is an Illusion – Part II (Walter)</p>			

Block courses:

- [IDC] Preprocessing and Analyzing EEG signals (König, Nolte)
- [IDC] Quest (König, Schmidt)

- [IDC] Lab Rotation (NN)