# Master of Science Cognitive Systems PO 2024
## Module und Prüfungen (Stand: 26. Mai 2025)

| Konto | Modul \| Prüfung |
|---|---|
| 1200 Basic Subject for non-computer scientists | 74252 \| 14252 Foundations and Concepts of Cognitive Systems Modeling |
| 1200 Basic Subject for non-computer scientists | 74248 \| 14248 Fundamental Approaches to Cognitive Science |
| 1200 Basic Subject for non-computer scientists | 74631 \| 14631 Fundamentals of Human-Machine Interaction |
| 1200 Basic Subject for non-computer scientists | 72430 \| 13679 Introduction to Computer Science for Non-Computer Scientists |
| 1100 Basic Subject for non-psychologists | 74252 \| 14252 Foundations and Concepts of Cognitive Systems Modeling |
| 1100 Basic Subject for non-psychologists | 74248 \| 14248 Fundamental Approaches to Cognitive Science |
| 1100 Basic Subject for non-psychologists | 74631 \| 14631 Fundamentals of Human-Machine Interaction |
| 1100 Basic Subject for non-psychologists | 74247 \| 14247 Introduction to Psychological Methods and Statistics for Non-Psychologists |
| 1300 Interdisciplinary Subject | 72405 \| 13520 Cognitive Systems I |
| 1300 Interdisciplinary Subject | 72406 \| 13521 Cognitive Systems II |
| 1300 Interdisciplinary Subject | 74632 \| 14632 Colloquium Recent Developments in Cognitive Systems Research |
| 2110 Perception - Special Subject | 77083 \| 17083 3D Deep Learning |
| 2110 Perception - Special Subject | 75587 \| 15587 Auditory Cognition |
| 2110 Perception - Special Subject | 75224 \| 15224 Can you hear it? - Auditory Perception and Sound Source Localization |
| 2110 Perception - Special Subject | 74718 \| 14718 Computer Vision II - Multiple Image Analysis |
| 2110 Perception - Special Subject | 70327 \| 10592 Computer Vision I |
| 2110 Perception - Special Subject | 77143 \| 17143 Computer Vision |
| 2110 Perception - Special Subject | 72500 \| 13682 Data Visualization |
| 2110 Perception - Special Subject | 76024 \| 16024 Deep Learning for Graphics and Visualization |
| 2110 Perception - Special Subject | 74685 \| 14685 The misleading senses: When we can't rely on our senses anymore? Seminar plus Exercise |
| 2110 Perception - Special Subject | 72435 \| 13655 Vision Seminar |
| 2110 Perception - Special Subject | 72528 \| 13839 Specialization in Cognitive Psychology |
| 2110 Perception - Special Subject | 74646 \| 14646 Theories and Application of Navigation in Men and Machine |
| 2110 Perception - Special Subject | 71865 \| 13485 Vision in Man and Machine |
| 2120 Learning and Memory - Special Subject | 75206 \| 15206 Advanced Methods in Data Mining and Machine Learning |
| 2120 Learning and Memory - Special Subject | 71997 \| 12346 Business Process Intelligence |
| 2120 Learning and Memory - Special Subject | 71994 \| 11301 Data Mining |
| 2120 Learning and Memory - Special Subject | 74645 \| 14645 DeepVision - Deep Learning and Convolutional Neural Networks in Computational Vision |
| 2120 Learning and Memory - Special Subject | 75280 \| 15280 Graph Analytics and Deep Learning |
| 2120 Learning and Memory - Special Subject | 74258 \| 14258 Learning Systems II |
| 2120 Learning and Memory - Special Subject | 74212 \| 14212 Learning Systems I: Introduction to Machine Learning |
| 2120 Learning and Memory - Special Subject | 74586 \| 14586 Pattern Recognition |
| 2120 Learning and Memory - Special Subject | 75187 \| 15187 Seminar Data Science - Master |
| 2120 Learning and Memory - Special Subject | 72505 \| 13645 Self Regulation: Development, Neuro-Cognition and Psychopathology |
| 2120 Learning and Memory - Special Subject | 75207 \| 15207 Text Analytics and Deep Learning |
| 2120 Learning and Memory - Special Subject | 75676 \| 15676 Understanding Research Methods and Trends in Machine Learning and Deep Learning |
| 2130 Planning and Reasoning - Special Subject | 75510 \| 15510 AI Planning |
| 2130 Planning and Reasoning - Special Subject | 71815 \| 12610 Algorithms for Knowledge Presentation |
| 2130 Planning and Reasoning - Special Subject | 76205 \| 16205 Explainable Artificial Intelligence |
| 2130 Planning and Reasoning - Special Subject | 71806 \| 12347 Foundations of Semantic Web Technologies |
| 2130 Planning and Reasoning - Special Subject | 75714 \| 17003 Knowledge-Based Artificial Intelligence |
| 2140 Interaction - Special Subject | 77099 \| 17099 Cognition in Complex Situations |
| 2140 Interaction - Special Subject | 75301 \| 15301 The Costs of Free Will in Action |
| 2140 Interaction - Special Subject | 76548 \| 14584 Human Factors in Transportation |
| 2140 Interaction - Special Subject | 74797 \| 14797 Human Robot Interaction |

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| 2140 Interaction - Special Subject | 74257 \| 14257 Neurotechnology: Brain-Machine-Interfacing |
| 2150 Methods, General Concepts and Tools - Special Subject | 75668 \| 15668 AI Ethics |
| 2150 Methods, General Concepts and Tools - Special Subject | 74677 \| 14677 Colloquium Topics in Cognitive Psychology |
| 2150 Methods, General Concepts and Tools - Special Subject | 74661 \| 14661 Computation in Cognitive and Neural Systems |
| 2150 Methods, General Concepts and Tools - Special Subject | 75691 \| 15691 Deploying and Operationalizing AI |
| 2150 Methods, General Concepts and Tools - Special Subject | 75396 \| 15396 Generalized Linear Mixed Models (GLMMs) for modeling change in categorical and ordered-categorical variables |
| 2150 Methods, General Concepts and Tools - Special Subject | 74684 \| 14305 Introduction to Human Neurophysiology |
| 2150 Methods, General Concepts and Tools - Special Subject | 74684 \| 14311 Introduction to Human Neuroanatomy |
| 2150 Methods, General Concepts and Tools - Special Subject | 74261 \| 14261 Multilevel Modelling Using SPSS |
| 2150 Methods, General Concepts and Tools - Special Subject | 74648 \| 14648 Programming Concepts for Cognitive Systems |
| 2150 Methods, General Concepts and Tools - Special Subject | 72521 \| 13668 Research Colloquium: Recent Developments in Cognitive Neuroscience and Cognitive Psychology |
| 2150 Methods, General Concepts and Tools - Special Subject | 74259 \| 14259 Seminar Concepts of Intelligence - Master |
| 2150 Methods, General Concepts and Tools - Special Subject | 74667 \| 14667 Seminar Multinomial Modeling of Cognitive Processes |
| 2150 Methods, General Concepts and Tools - Special Subject | 72516 \| 13664 Thinking about Science for Cognitive Systems |
| 2150 Methods, General Concepts and Tools - Special Subject | 72520 \| 13667 Topics in Cognitive Neuroscience |
| 2150 Methods, General Concepts and Tools - Special Subject | 75191 \| 15191 Web Information Retrieval |
| 2210 Perception - Applied Subject | 74682 \| 14682 Multisensory Perception for Action |
| 2210 Perception - Applied Subject | 74656 \| 14656 Project Algorithms for Affect Recognition in HCI |
| 2210 Perception - Applied Subject | 72513 \| 13653 Project Computational Vision and Image Processing |
| 2210 Perception - Applied Subject | 75709 \| 15709 Projekt Advanced Visual Deep Learning I |
| 2210 Perception - Applied Subject | 75713 \| 15713 Projekt Advanced Visual Deep Learning II |
| 2210 Perception - Applied Subject | 75599 \| 15599 Perception for Action in Virtual Reality |
| 2210 Perception - Applied Subject | 75621 \| 15621 Projekt 3D Deep Learning I |
| 2210 Perception - Applied Subject | 72507 \| 13647 Project and Seminar Visual Information Processing |
| 2210 Perception - Applied Subject | 75076 \| 15076 Visual Perception and Eye Movements |
| 2220 Learning and Memory - Applied Subject | 71954 \| 13050 Projekt Algorithmen der Mustererkennung - Individualprojekt |
| 2220 Learning and Memory - Applied Subject | 74611 \| 14611 Project Algorithms for Pattern Recognition and Machine Learning |
| 2220 Learning and Memory - Applied Subject | 74602 \| 14602 Projektseminar Deep Learning Architectures |
| 2220 Learning and Memory - Applied Subject | 74238 \| 14238 Projekt Learning Robots |
| 2220 Learning and Memory - Applied Subject | 74265 \| 14265 Project Neuroeconomics - Sensorimotor learning and decision-making |
| 2220 Learning and Memory - Applied Subject | 75291 \| 15291 Project Deep Reinforcement Learning |
| 2230 Planning and Reasoning - Applied Subject | 74612 \| 14612 Projekt Advanced Automated Reasoning |
| 2230 Planning and Reasoning - Applied Subject | 74606 \| 14606 Projekt Advanced Semantic Web |
| 2230 Planning and Reasoning - Applied Subject | 74614 \| 14614 Projekt Automated Reasoning |
| 2230 Planning and Reasoning - Applied Subject | 75137 \| 15137 Projekt Explainable Artificial Intelligence |
| 2230 Planning and Reasoning - Applied Subject | 74605 \| 14605 Projekt Semantic Web |
| 2230 Planning and Reasoning - Applied Subject | 75307 \| 15307 Project AI for Autonomous Systems |
| 2230 Planning and Reasoning - Applied Subject | 75292 \| 15292 Project AI in Games |
| 2240 Interaction - Applied Subject | 74675 \| 14675 Design, Implementation and Evaluation of User-Centered Multimodal Dialogue Systems |
| 2240 Interaction - Applied Subject | 74653 \| 14653 Investigations in Cognitive Ergonomics - Research Trends |
| 2240 Interaction - Applied Subject | 74652 \| 14652 Investigations in Cognitive Ergonomics - Basics |
| 2240 Interaction - Applied Subject | 75352 \| 15352 Introduction into Cognitive Modelling in Human Factors Research |
| 2240 Interaction - Applied Subject | 74613 \| 14613 Projekt Brain-Machine-Interacing |
| 2240 Interaction - Applied Subject | 74593 \| 14593 Project Human-Vehicle Interaction |
| 2240 Interaction - Applied Subject | 75041 \| 15041 Project User-Centered Design for Interactive Systems I |
| 2240 Interaction - Applied Subject | 75042 \| 15042 Project User-Centered Design for Interactive Systems II |
| 2240 Interaction - Applied Subject | 75635 \| 15635 Project Human-AI Interaction |

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| 2240 Interaction - Applied Subject | 75550 \| 15550 Project Dialogue Systems |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 74679 \| 14679 Design, Implementation and Evaluation of Humanoid Robots as Cognitive Systems |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 74655 \| 14655 Investigating Functions in Perception, Cognition and Motor Behavior |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 75192 \| 15192 Project Data Science on Very Large Data Sets |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 74712 \| 14712 Project Mobile Assessment of Biosignals |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 75594 \| 15594 Projekt Design Thinking for Interactive Systems kompakt |
| 2250 Applied Methods and Concepts in Cognitive Systems - Applied Subject | 75351 \| 15351 Project Internet of Medical Things |
| Additive Schlüsselqualifikationen | 86x00 \|  Leer lassen/leave blank |