

Course Title	Acronym	Lecturer/s	Lab/s	Language	Type	WS/SS	SWS	ECTS	Exam Details
<b>Module Title</b>									
<b>AI in medical robotics</b>									
AI in Medical Robotics	AIMedRob	Mathis-Ullrich	SPARC	Eng	Lecture + Exercises	WS	2+2	5	written exam, 60min
<b>Algorithmische Bioinformatik</b>									
Algorithmic Bioinformatics	ALGBIOINF	Blumenthal	BIONETS	Eng	Lecture + Exercises	WS	2+2	5	oral exam, 30min
<b>Cognitive Neuroscience for AI Developers – not currently offered</b>									
Cognitive Neuroscience for AI Developers	CNAID	Kist/Krauß/ Maier/Schilling	ANKI & LME – Pattern Recognition Lab & ExpHNO – Experimental Otorhinolaryngology	Eng	Lecture	SS	4	5	written exam, 90min
<b>Computational Magnetic Resonance Imaging</b>									
Computational Magnetic Resonance Imaging	Computational MRI	Knoll	CIL	Eng	Lecture + Exercises	WS	2+2	5	oral exam, 30min
<b>Computational Neurotechnology / Numerische Neurotechnologie</b>									
Computational Neurotechnology	COMPNEURO	Reichenbach	NEUROTECH	Eng	Lecture + Exercises	SS	2+2	5	written exam, 60min
<b>Human-Robot Co-Adaptation</b>									
Human-Robot Co-Adaptation	HRC	Castellini/ Thürauf	AIROB	Eng	Lecture + Exercises	WS	2+2	5	written exam, 60min
<b>Intent Detection and Feedback</b>									
Intent Detection and Feedback	IDF	Castellini/ Thürauf	AIROB	Eng	Lecture + Exercises	SS	2+2	5	written exam, 60min
<b>Interfacing the Neuromuscular system: Applications for Human/Machine Interfaces and Neurophysiology</b>									
Interfacing the Neuromuscular system: Applications for Human/Machine Interfaces and Neurophysiology	INS	Del Vecchio	N-SQUARED	Eng	Lecture	SS	2	5	written exam, 60min
<b>Kolloquium im Bereich Mustererkennung</b>									
Kolloquium Magnetic Resonance Imaging	MRI	Bickelhaupt/ Giese/Knoll/ Laun/ Maier/ Nagel/ Zaiss	CIL & LME – Pattern Recognition Lab	Eng	Colloquium	WS/SS	2	2,5	seminar performance, assessed

Medizintechnik II (Bildgebende Verfahren)									
Medizintechnik II	MT2 + MT2-RUE + MT2-TUE	Knoll/Kainz	CIL & IDEA	Ger/Eng	Lecture + Exercises	SS	4+2+2	5	modular exam (report, code implementation, presentation, homework)
Movement Neuroscience: Connections between Brain and Muscles in Humans									
Movement Neuroscience: Connections between the Brain and Muscles in Humans	MN	Del Vecchio	N-SQUARED	Eng	Lecture	WS	3	5	written exam, 60min
Rehabilitation and Assistive Robotics									
Rehabilitation and Assistive Robotics	RAR	Castellini/ Thürauf	AIROB	Eng	Lecture + Exercises	SS	2+2	5	written exam, 60min
Surgical Technologies Innovation									
Surgical Technologies Innovation	STI	Mathis-Ullrich	SPARC	Eng	Lecture + Exercises	WS	4	5	modular exam (report, presentation)

Detailed information is available on Campo.

Please take note of the data in the respective [course catalog](#) and [module handbook](#).