

Modul	Modulname	Modulname english	Art	Form	Online async.	Prüfung	Dauer Prüfung	Notengewicht	Semester	SWS	ECTS
KI110	Data Science I	Data Science I	PFM	SU		portP(Ausarb,Klausur)	60	0,33 / 0,67	1	2	3
KI110	Praktikum Data Science I	Practical Training Data Science I	PFM	PR		prakP.sb.P				2	2
KI120	Grundlagen der Informatik	Fundamentals of Informatics	PFM	SU		Klausur	60	1,0	1	4	5
KI130	Künstliche Intelligenz I	Artificial Intelligence I	PFM	SU		Klausur	90	1,0	1	3	4
KI130	Praktikum Künstliche Intelligenz I	Practical Training Artificial Intelligence I	PFM	PR		prakP.sb.P				2	2
KI140	Mathematik I	Mathematics I	PFM	SU		Klausur	90	1,0	1	5	6
KI140	Praktikum Mathematik I	Practical Training Mathematics I	PFM	PR						2	2
KI150	Programmieren I - Python	Programming I - Python	PFM	SU		portP(prakP.sb, Klausur)	90	0,33 / 0,67	1	4	5
KI150	Praktikum Programmieren I - Python	Practical Training Programming I - Python	PFM	PR		prakP.sb.P				2	2
KI210	Data Science II	Data Science II	PFM	SU		portP(Votr.sb,Klausur)	20/60	0,40 / 0,60	2	2	3
KI210	Praktikum Data Science II	Practical Training Data Science II	PFM	PR						2	2
KI220	Mathematik II	Mathematics II	PFM	SU		Klausur	90	1,0	2	4	5
KI220	Praktikum zu Mathematik II	Practical Training Mathematics II	PFM	PR						2	2
KI230	Programmieren II - Java	Programming II - Java	PFM	SU		Klausur	90	1,0	2	4	5
KI230	Praktikum Programmieren II	Practical Training Programming II	PFM	PR		prakP.sb.P				2	2

KI240	Praxisgrundlagen der Informatik	Practical Training Fundamentals of Computer Science	PFM	SU		Klausur	60	1,0	2	2	3
KI240	Praktikum Praxisgrundlagen der Informatik	Practical Training Practical Fundamentals of Computer Science	PFM	PR		prakP.sb.P				2	2
KI250	Statistik	Statistics	PFM	SU		Klausur	60	1,0	2	3	4
KI250	Praktikum Statistik	Practical Training Statistics	PFM	PR						1	1
KI260	Technische Grundlagen der KI	Technical fundamentals of AI	PFM	SU		Klausur	60	1,0	2	2	2
KI260	Praktikum Technische Grundlagen der KI	Practical Training Technical fundamentals of AI	PFM	PR		prakP.sb.P			2	1	1
KI310	Bildverarbeitung	Image Processing	PFM	SU		Klausur	60	1,0	3	2	3
KI310	Praktikum Bildverarbeitung	Practical Training Image Processing	PFM	PR						2	2
KI320	Datenbanken	Database Systems	PFM	SU		Klausur	60	1,0	3	2	3
KI320	Praktikum Datenbanken	Practical Training Database Systems	PFM	PR		prakP.sb.P				2	2
KI330	Ethik der KI	AI Ethics	PFM	SU		portP(Votr.sb,Klausur)	20 / 60	0,80 / 0,20	3	2	3
KI330	Praktikum Ethik der KI	Practical Training AI Ethics	PFM	PR						2	2
KI340	IT-Sicherheit	IT-Security	PFM	SU		Klausur	90	1,0	3	2	3
KI340	Praktikum IT-Sicherheit	Practical Training IT-Security	PFM	PR						2	2
KI350	Machine Learning I	Machine Learning I	PFM	SU		portP(prakP.sb, Klausur)	60	0,33 / 0,67	3	4	4
KI350	Praktikum Machine Learning I	Practical Training Machine Learning I	PFM	PR						2	2
KI360	Optimierung	Optimization	PFM	SU		Klausur	60	1,0	3	2	3

KI360	Praktikum Optimierung	Practical Training Optimization	PFM	PR						2	2
KI410	Algorithmen und Datenstrukturen	Algorithms and data structures	PFM	SU		Klausur	60	1,0	4	2	3
KI410	Praktikum Algorithmen und Datenstrukturen	Practical Training Algorithms and data structures	PFM	PR						2	2
KI420	Übung SW-Engineering I	Practical Training SW-Engineering II	PFM	Ü						2	2
KI420	SW-Engineering I	SW-Engineering I	PFM	SU		Klausur	90	1,0	4	2	3
KI430	Natural Language Processing	Natural Language Processing	PFM	SU		portP(prakP.sb, Klausur)	90	0,33 / 0,67	4	4	5
KI430	Praktikum Natural Language Processing	Practical Training Natural Language Processing	PFM	PR						2	2
KI440	Machine Learning II	Machine Learning II	PFM	SU		portP(prakP.sb, Klausur)	60	0,33 / 0,67	4	4	6
KI440	Praktikum Machine Learning II	Practical Training Machine Learning II	PFM	PR						2	2
KI450	Künstliche Intelligenz II	Artificial Intelligence II	PFM	SU		Klausur	90	1,0	4	2	3
KI450	Praktikum Künstliche Intelligenz II	Practical Training Artificial Intelligence II	PFM	PR						2	2
KI510	Praktische Zeit im Betrieb	Internship	PFM	PR		Ausarb		1,0	5		22
KI520	Praxisseminar	Internship Seminar	PFM	S		portP(Vortr.sb,Ausarb)	15-45 Min.	1,0	5	2	3
KI530	Grundlagen modernes Projektmanagement	Foundations of Modern Project Management	PFM	SU		Klausur	60	1,0	5	2	3
KI610	Big Data Algorithms	Big Data Algorithms	PFM	SU		Klausur	60	1,0	6	2	3
KI610	Praktikum Big Data Algorithms	Practical Training Big Data Algorithms	PFM	PR					6	2	2
KI620	Machine Learning III	Machine Learning III	PFM	SU		portP(prakP.sb, Klausur)	90	0,33 / 0,67	6	2	3

KI620	Praktikum Machine Learning III	Practical Training Machine Learning III	PFM	PR					6	2	2
KI630	Praxisorientiertes Studienprojekt	Study project	PFM	StA		portP(Votr.sb,Ausarb)		1,0	6	4	5
KI640	Seminar	Seminar	PFM	S		portP(Votr.sb,Ausarb)	45-60 Min.	0,8 / 0,2	6	2	3
KI710	Bachelorarbeit	Bachelor thesis	PFM	-		Ausarb			7		12
SGxxx	Studium Generale	General Studies	SG	Fachspez.		Fachspez.	Fachspez.	mE/oE	1-7		6
AIF630	Autonome Fahrzeuge	Autonomous vehicles	WPFM	SU		Klausur	60	1,0	6	2	3
AIF630	Praktikum Autonome Fahrzeuge	Practical Training Autonomous vehicles	WPFM	PR		prakP.sb.P			6	2	2
DVM230	Open Government and Open Data	Open Government and Open Data	WPFM	SU		portP(Votr.sb,Ausarb)		1,0	6	2	3
DVM230	Praktikum Open Government and Open Data	Practical Training Open Government and Open Data	WPFM	PR					6	2	2
IB315	Programmieren III	Programming III	WPFM	SU		Klausur	90	1,0	7	2	3
IB315	Praktikum Programmieren III	Practical Training Programming III	WPFM	PR					7	2	2
IB605	Numerik	Numerics	WPFM	SU		Klausur	90	1,0	7	2	3
IB605	Praktikum Numerik	Practical Training Numerics	WPFM	PR					7	2	2
IB762	Concepts of Modern Programming Languages	Concepts of Modern Programming Languages	WPFM	SU		Klausur	60	1,0	6	2	3
IB762	Praktikum Concepts of Modern Programming Languages	Practical Training Concepts of Modern Programming Languages	WPFM	PR					6	2	2
IB764	Internet of Things	Internet of Things	WPFM	SU		Klausur	60	1,0	6	2	3
IB764	Praktikum IoT	Practical Training IoT	WPFM	PR					6	2	2

IB765	Innovationslabor	Innovation Lab	WPFM	SU		portP(Vortr.sb,Ausarb)	60/6-12 Seiten	0,5 / 0,5	7	4	5
IB770	IT-Sicherheit II	IT-Security II	WPFM	SU		Klausur	60	1,0	7	2	3
IB770	Praktikum IT-Sicherheit II	Practical Training IT-Security II	WPFM	PR					7	2	2
IB779	Softwaretest und Qualitätssicherung	Software testing and quality assurance	WPFM	SU		mdIPr	20	1,0	7	2	3
IB779	Praktikum Softwaretest und Qualitätssicherung	Practical Training Software testing and quality assurance	WPFM	PR					7	2	2
KI630	Produktions- und Servicelogistik	Production and Service Logistics	WPFM	SU		portP(Vortr.sb,Ausarb)	45 Min. / 6-12 Seiten	0,5 / 0,5	6	2	3
KI630	Praktikum Produktions- und Servicelogistik	Practical Training Production and Service Logistics	WPFM	PR					6	2	2
KI650	Biomedizinische Projektarbeit	Biomedical Projects	WPFM	StA, Ausarb		portP(Vortr.sb,Ausarb)	10 Seiten u. wiss. Poster / 10	0,9 / 0,1	6	4	5
KI670	Quantencomputing	Quantumcomputing	WPFM	SU		Klausur	60	1,0	6	2	3
KI670	Praktikum Quantencomputing	Practical Training Quantumcomputing	WPFM	PR					6	2	2
KI680	Innovative Kundenkommunikation anhand von Chatbots	Innovative Customer Communication using Chatbots	WPFM	SU		portP(Vortr.sb,Ausarb)	45	0,7 / 0,3	6	2	3
KI680	Praktikum Innovative Kundenkommunikation anhand von Chatbots	Practical Training Innovative Customer Communication using Chatbots	WPFM	PR					6	2	2
KI720	Machine Learning in the Cloud	Machine Learning in the Cloud	WPFM	SU		Klausur	60	1,0	7	2	3
KI720	Praktikum Machine Learning in the Cloud	Practical Training Machine Learning in the Cloud	WPFM	PR					7	2	2

KI730	Industrierobotik	Industrial Robotics	WPFM	SU		Klausur	60	1,0	7	2	3
KI730	Praktikum Industrierobotik	Practical Training Industrial Robotics	WPFM	PR					7	2	2
KI740	Reinforcement Learning	Reinforcement Learning	WPFM	SU		portP(prakP.sb, Klausur)	90	0,33 / 0,67	7	2	3
KI740	Praktikum Reinforcement Learning	Practical Training Reinforcement Learning	WPFM	PR					7	2	2
KI770	Time Series Analysis	Time Series Analysis	WPFM	SU		Klausur	60	1,0	7	2	3
KI770	Praktikum Time Series Analysis	Practical Training Time Series Analysis	WPFM	PR					7	2	2
KI790	3D Game Engines	3D Game Engines	WPFM	SU		portP(Klausur,Vortr.sb,Ausarb)	60 / 20	0,65 / 0,35	7	2	3
KI790	Praktikum 3D Game Engines	Practical Training 3D Game Engines	WPFM	PR					7	2	2
KI791	AI-Entrepreneurship (Y Combinator Style)	AI-Entrepreneurship (Y Combinator Style)	WPFM	SU		portP(Vortr.sb,Ausarb)	60	0,5 / 0,5	7	2	3
KI791	Praktikum AI-Entrepreneurship (Y Combinator Style)	Practical Training AI-Entrepreneurship (Y Combinator Style)	WPFM	PR					7	2	2
WIF726	AI Applications in Business Informatics	AI Applications in Business Informatics	WPFM	SU		portP(Klausur,Vortr.sb,Ausarb)	20 / 60	0,4 / 0,6	7	2	3
WIF726	Praktikum AI Applications in Business Informatics	Practical Training AI Applications in Business Informatics	WPFM	PR					7	2	2
WIF727	Bias Mitigation	Bias Mitigation	WPFM	SU		Klausur	60	1,0	6	2	3
WIF727	Praktikum Bias Mitigation	Practical Training Bias Mitigation	WPFM	PR					6	2	2