Focal Area S1: Distributed and Mobile Systems; start: summer term 2023

		MG	ECTS/Modul					ECTS/Sem	ECTS kum.
			A1	A2	A3	A4	A5		
1.Sem SS 23									
	KTR-GIK-M: Foundations of Internet Communication	A1	6						
S1	MOBI-ADM-M: Advanced Data Management	A1	6						
S1	DSG-DistrSys-M: Distributed Systems	A1*					6	**30**	
	SWT-RSD-B: Reactive Systems Design	A1	6						
	German as a foreign language intensive 1 (A1)	A5					6		
			18	0	0	0	12		
			18	0	0	0	12		30
2. Sem WS 23/24									
S1	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
	SWT-CPS-M:Cyber-Physical Systems	A1	6						
S1	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6					**31**	
	Master Seminar	A3			3				
	German as a foreign language intensive 2 (A2)	A5					4		
	VIS-IVVA-M : Advanced Information Visualization and Visual Analytics	A2		6					
			18	6	3	0	4		
			36	6	3	0	16		61
3.Sem SS 24									
S1	HCI-MCI-M Human-Computer Interaction	A2		6					
	Master-Project	A3			6				
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3	**33**	
	Internship	A5					12		
S1	KTR-MAKV-M Modeling and Analysis of Communication Networks and Distributed Systems	A1	6						
			6	6	6	0	15		
			42	12	9	0	31		94
4.Sem WS 24/25									
	Master Thesis	A4				30		**30**	
			0	0	0	30	0		
			42	12	9	30	31		124

*will be credited in A5

| 54 | | | | | **124** |

Focal Area S2: Software Analysis and Verification; start: summer 2023								ECTS/Sem	ECTS kum.
		MG	ECTS/Modul						
1.Sem SS 23			A1	A2	A3	A4	A5		
	KTR-GIK-M: Foundations of Internet Communication	A1	6						
	SWT-ASV-M: Applied Software Verification	A1	6						
	DSG-DistrSys-M Distributed Systems	A1	6					**30**	
	German as a foreign language intensive 1 (A1)	A5					6		
S2	KTR-MAKV-M Modeling and Analysis of Communication Networks and Distributed Systems	A1	6						
			24	0	0	0	6		
			24	0	0	0	6		30
2.Sem WS 23/24									
	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
S2	SWT-CPS-M:Cyber-Physical Systems	A1	6						
	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6					**31**	
	GdI-IFP-B Introduction to Functional Programming	A1*					6		
	Master-Seminar	A3			3				
	German as a foreign language intensive 2 (A2)	A5					4		
			18	0	3	0	10		
			42	0	3	0	16		61
3.Sem SS 24									
	Internship	A5					12		
	Master-Project	A3			6				
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3	**33**	
	KTR-MMK-M Multimedia Communication in High Speed Networks	A1	6						
S2	GdI-FPRS-M Functional Programming of Reactive Systems	A1	6						
			12	0	6	0	15		
			54	0	9	0	31		94
4.Sem WS 24/25									
	Master Thesis	A4				30		**30**	
			0	0	0	30	0		
			54	0	9	30	31		124
			54						**124**

*will be credited in A5

Focal Area S3: Service-oriented Architectures; start: summer 2023								ECTS/Sem	ECTS kum.
		MG	**ECTS/Modul**						
1.Sem SS 23			**A1**	**A2**	**A3**	**A4**	**A5**		
S3	KTR-GIK-M: Foundations of Internet Communication	A1	6						
	SWT-RSD-B Reactive Systems Design	A1	6						
S3	DSG-DistrSys-M Distributed Systems	A1	6					**30**	
	German as a foreign language intensive 1 (A1)	A5					6		
	SWT-ASV-M: Applied Software Verification	A1	6						
			24	0	0	0	6		
			24	0	0	0	6		30
2.Sem WS 23/24									
	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
	SWT-CPS-M:Cyber-Physical Systems	A1	6						
	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6					**31**	
	German as a foreign language intensive 2 (A2)	A5					4		
	Master Seminar	A3			3				
S3	EESYS-ADAML-M Applied Data Analytics and Machine Learning in R	A2		6					
			18	6	3	0	4		
			42	6	3	0	10		61
3.Sem SS 24									
	Internship	A5					12		
	Master-Project	A3			6				
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3	**33**	
S3	HCI-MCI-M Human-Computer Interaction	A2*					6		
S3	SYSNAP-OSE-M Operating Systems Engineering	A1	6						
			6	0	6	0	21		
			48	6	9	0	31		94
4.Sem WS 24/25									
	Master Thesis	A4				30		**30**	
			0	0	0	30	0		
*will be credited in A5			48	6	9	30	31		124
				54				**124**	

Focal Area S4: Communication Systems and Protocols; start: summer 2023

		MG	A1	A2	A3	A4	A5	ECTS/Sem	ECTS kum.
1.Sem SS 23									
S4	KTR-GIK-M: Foundations of Internet Communication	A1	6						
	MOBI-ADM-M: Advanced Data Management	A1	6						
S4	DSG-DistrSys-M: Distributed Systems	A1*					6		
	SWT-RSD-B: Reactive Systems Design	A1	6					**30**	
	German as a foreign language intensive 1 (A1)	A5					6		
			18	0	0	0	12		
			18	0	0	0	12		30
2.Sem WS 23/24									
S4	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
	SWT-CPS-M:Cyber-Physical Systems	A1	6						
	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6						
	German as a foreign language intensive 2 (A2)	A5					4	**31**	
	Master Seminar	A3			3				
S4	SYSNAP-OSE-M Operating Systems Engineering	A1	6						
			24	0	3	0	4		
			42	0	3	0	16		61
3.Sem SS 24									
	Internship	A5					12		
	Master-Project	A3			6				
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3	**33**	
S4	KTR-MMK-M Multimedia Communication in High Speed Networks	A1	6						
S4	GdI-CSNL-M Computational Semantics of Natural Language	A2		6					
			6	6	6	0	15		
			48	6	9	0	31		94
4.Sem WS 24/25									
	Master Thesis	A4				30		**30**	
			0	0	0	30	0		
			48	6	9	30	31		124
				54					**124**

*will be credited in A5