

Student ID Number

Degree Program Number

EXAMINATION RASTER MASTER'S PROGRAM COMPUTER SCIENCE

(1.10.2013 - updated 1.10.2022)

Data of the Student

First name and Family name	
Phone number	
E-Mail	

Major Subject Computational Engineering [5 1]

Course	Code	Type	ECTS	Date	Grade
Machine Learning: Supervised Techniques	875BIMLMSTU16	UE	1,5		
	875BIMLMSTV16	VL	3		
Hardware Design	921COENHWDK19	KV	4,5		
Model Checking	921COENMCHU21	UE	1,5		
	921COENMCHV21	VL	3		
Parallel Computing	921COENPACK13	KV	4,5		
Probabilistic Models	921COENPRMV13	VL	3		
Project in Computational Engineering	921COENCOEP13	PR	7,5		
Seminar in Computational Engineering	921COENCOES13	SE	3		
System Software	921SOENSSOK13	KV	3		
Computer Algebra for Concrete Mathematics	921PECOCACV20	VL	3		
				37,5	

Major Subject Intelligent Information Systems [5 2]

Course	Code	Type	ECTS	Date	Grade
Basic Methods of Data Analysis	875BIMLMDAK16	KV	3		
Accessible Software and Web Design	921INSYASWK13	KV	1,5		
Information Retrieval and Extraction	921INSYIREK13	KV	3		
Integrated Information Systems	921INSYIISK13	KV	3		
Knowledge Based Systems	921INSYKBSK13	KV	3		
Learning from User-generated Data	921INSYLUDU21	UE	1,5		
	921INSYLUDV21	VL	3		
Multimedia Search and Retrieval	921INSYMSRK13	KV	4,5		

Project in Intelligent Information Systems	921INSYINSP13	PR	7,5		
Seminar in Intelligent Information Systems	921INSYINSS13	SE	3		
Web Information Systems	921INSYWISK13	KV	4,5		
37,5					

Major Subject Networks and Security [5 3]

Course	Code	Type	ECTS	Date	Grade
Computer Forensics and IT Law	921NESECILV13	VL	3		
Cryptography	921NESECYK13	KV	3		
Information Security Management	921NESEISMV13	VL	3		
Introduction to IT Security	921NESEIISV13	VL	3		
Network Management	921NESENMAK13	KV	3		
Network Security	921NESENSEK13	KV	1,5		
Project in Networks and Security	921NESENESEK13	PR	7,5		
Secure Code	921NESESECK13	KV	1,5		
Security Models in Information Systems	921NESESISK13	KV	3		
Seminar in Networks and Security	921NESENESS13	SE	3		
System Administration	921NESESADK13	KV	3		
Systems Security	921NESESYSK13	KV	3		
37,5					

Major Subject Pervasive Computing [5 4]

Course	Code	Type	ECTS	Date	Grade
Computer Vision	921PECOCOJU20	UE	1,5		
	921PECOCOVV20	VL	3		
Pervasive Computing: Desing and Development	921PECOPDDU13	UE	1,5		
	921PECOPDDV13	VL	3		
Pervasive Computing: Systems and Environments	921PECOPSEU13	UE	1,5		
	921PECOPSEV13	VL	3		
Principles of Cooperation	921PECOPCOU13	UE	1,5		
	921PECOPCOV13	VL	3		
Principles of Interaction	921PECOPINU13	UE	1,5		
	921PECOPINV13	VL	3		
Project in Pervasive Computing	921PECOPECP13	PR	7,5		
Seminar in Pervasive Computing	921PECOPECS13	SE	3		
Machine Learning and Pattern Classification	921PECOMLPU20	UE	1,5		
	921PECOMLPV20	VL	3		
37,5					

Major Subject Software Engineering [5 5]

Course	Code	Type	ECTS	Date	Grade
Formal Methods in Software Development	921SOENFMSK13	KV	4,5		
Model-driven Engineering	921SOENMDEK13	KV	3		
Principles of Programming Languages	921SOENPOPK13	KV	3		
Project in Software Engineering	921SOENSEOP13	PR	7,5		
Requirements Engineering	921SOENREQK13	KV	3		
Seminar in Software Engineering	921SOENSEOS13	SE	3		
Software Architectures	921SOENSARK13	KV	4,5		
Software Processes and Tools	921SOENSPTK13	KV	3		
Software Testing	921SOENSOTK13	KV	3		
System Software	921SOENSSOK13	KV	3		
37,5					

Major Subject Data Science [5 6]

Course	Code	Type	ECTS	Date	Grade
Machine Learning: Supervised Techniques	875BIMLMSTV16	VL	3		
Big Data Management and Processing	921DASIBDMK17	KV	3		
Computational Data Analytics	921DASICDAK17	KV	3		
Probabilistic Models	921COENPRMV13	VL	3		
Project in Data Science	921DASIDASP17	PR	7,5		
Seminar in Data Science	921DASIDASS17	SE	3		
Visual Analytics	921DASIVIAV17	VL	3		
Statistical Principles of Data Science	951SMDSSPDK17	KV	6		
Data Warehousing			6		
Data Warehousing	926BUSIDAWV14	VL	3		
	926BUSIDAWU14	UE	3		
37,5					

Complementary Subject [10]

Course	Code	Type	ECTS	Date	Grade

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Master's Thesis Seminars [15]

Course	Code	Type	ECTS	Date	Grade
Master's Thesis Seminar SS	921MAARMASS13	SE	8		
Master's Thesis Seminar WS	921MAARMAWS13	SE	8		

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Free Electives [20]

Course	Code	Type	ECTS	Date	Grade

12

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Student Signature	
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Der*Die Vizerektor*in für Lehre und Studierende