

List of Courses Taught in English
Department of Computer Sciences
Academic Year 2020/21

BA Computer Sciences

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.034	3	Introduction to Operating Systems	2	VO	2	Kirsch, C.	English, German
511.047	5	Systems Engineering	2	UV	4	Kirsch, C.	English, German
511.064	3	Software Engineering	3	VO	3	Pree, W.	English, German
511.065	3	Software Engineering	2	PS	4	Resmerita, S.	English
511.107	5	Project Management for Computer Science	3	VO	3	Pree, W.	German, English
511.114	5	Software Lab	2	PR	5	Resmerita, S., Pree, W.	English
512.023 (DIG)	1	Introduction to Computer Science and Systems	2	UV	3	Kirsch, C.	English, German
512.025 (DIG)	1	Problem Solving and Algorithmic Thinking	2	UE	3	Sokolova, A.	English (1 group)
884.134 (LA)	5	Operating Systems	2	VO	2	Kirsch, C.	English, German

Summer Semester 2021

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Department of Computer Sciences
Academic Year 2020/21

511.046	4	Introduction to Compiler Systems	3	UV	6	Kirsch, C.	English, German
511.073	2	Databases I	1	PS	2	Resmerita, S.	English

Master Computer Sciences

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.414	1	Software Systems	3	UV	4	Kirsch, C.	English, German
911.103	-	Multimedia Security (Media Security)	2	VO	2,5	Uhl, A.	English, German
911.104	-	Multimedia Security (Media Security)	1	PS	2,5	Uhl, A.	English, German
911.148	-	Research Seminar Multimedia Technology	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.318	-	WFM: Parallel Programming	2	VO	2,5	Resmerita, S.	English
911.319	-	WFM: Parallel Programming	1	PS	2,5	Resmerita, S.	English
911.054	-	Geometric Modeling	2	VO	2,5	Held, M.	English
911.055	-	Geometric Modeling	1	PS	2,5	Held, M.	English
911.905	-	Hardware	1	UV	1,5	Kutil, R.	English

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Department of Computer Sciences
Academic Year 2020/21

		Oriented Signal Processing 2					
911.425	-	Similarity Search in Large Databases	2	VO	2,5	Augsten, Nikolaus	English
911.426	-	Similarity Search in Large Databases	1	PS	2,5	Hütter, T.	English, German
911.001	1	Advanced Data Bases	2	VO	2	Augsten, N.	English
911.002	1	Advanced Data Bases	1	PS	2	Schäler, M.	English
911.908	-	Computer Vision (Advanced Image Processing and Computer Vision)	2	VO	2,5	Kwitt, R.	English
911.909	-	Computer Vision (Advanced Image Processing and Computer Vision)	1	PS	2,5	Kwitt, R.	English
911.421	-	Imaging Beyond Consumer Cameras	2	VO	2,5	Kwitt, R.	English, German
911.422	-	Imaging Beyond Consumer Cameras	1	PS	2,5	Kwitt, R.	English, German
911.030	1	Advanced Mathematics for Computer Science	3	VO	3	Amstler, C.	English
911.031	1	Advanced Mathematics for Computer Science	2	PS	4	Amstler, C.	English

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Department of Computer Sciences
Academic Year 2020/21

911.344	-	Energy Informatics	1	SE	2	Engel, D.	English
514.001	W	HCI Theory & Paradigms	2	VO	2	Fuchsberger-Staufer	English
514.002	W	Foundations of HCI Methodologies	2	UV	4	Krischkowsky	English
514004	W	Human Factors & Design Principles	2	VO	2	Meschtscherjakov	English
514.005	W	Experience Engineering Methods	2	UV	4	Tscheligi, NN	English
514.006	W	Interaction Design	2	UV	3	Smít, NN	English
514.015	W	Lecture Series: HCI Related Disciplines	2	VO	3	Tscheligi, Lindner (FH)	English
514.017	W	Advanced Contextual Interfaces	2	UV	3	NN, Maurer (FH)	English
514.019	W	Design of Innovative Interactions	2	UV	3	NN	English
514.020	W	Impacts of Future Technologies	2	SE	3	Krischkowsky, Maurer (FH)	English
514.022	W	Experience Leadership & Innovation Management	2	SE	3	Meschtscherjakov, Tscheligi, NN, Paraschivoiu	English
514.023	W	HCI Industry Project	2	IP	6	Meschtscherjakov, NN	English
514.103	W	Basics of Quantitative	2	GK	1	Braun	English

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Department of Computer Sciences
Academic Year 2020/21

		Research Methods					
514.104	W	Basics of Qualitative Research Methods	2	GK	1	Krischkowsky	English
911.006	2	Distributed Systems	2	VO	2	Pree, W.	German, English
911.075	-	Pattern Recognition 2	2	UV	2,5	Mayer, H.	English, German

Summer Semester 2021

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.436	-	Introduction to Concurrency Theory and Practice	1	PS	2,5	Kirsch, C.	English, German
911.147	-	Research Seminar Multimedia Technologies	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.902 (AISP)	2	Media Data Formats	2	VO	2	Uhl, A.	English, German
911.903 (AISP)	2	Media Data Formats	1	PS	2	Uhl, A.	English, German
911.911 (AISP)	4	Master Seminar 2	1	SE	2	Uhl, A., Kwitt, R.	English, German
911.437	-	Computer Aided Verification	2	VO	2,5	Sokolova, A.	English
911.438	-	Computer Aided	1	PS	2,5	Sokolova, A.	English

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Department of Computer Sciences
Academic Year 2020/21

		Verification					
911.435	-	Introduction to Concurrency Theory and Practice	2	VO	2,5	Sokolova, A.	English
911.007	2	Distributed Systems	1	PS	2	Resmerita, S.	English
911.017	2	Software Techniques	1	PS	2	Resmerita, S.	English
911.427	-	Non-Standard Database Systems	2	VO	2,5	Augsten, N.	English
911.428	-	Non-Standard Database Systems	1	PS	2,5	Augsten, N.	English
911.236	-	Machine Learning	1	PS	2,5	Kwitt, R.	English, German
911.235	-	Machine Learning	2	VO	2,5	Kwitt, R.	English, German
911.068	-	Filterbanks and Wavelets	2	VO	2,5	Amstler, C.	English
911.069	-	Filterbanks and Wavelets	1	PS	2,5	Amstler, C.	English
911.343	-	Energy Informatics	1	SE	2	Engel, D.	English
514.011	S	Contextual Analysis & Context Capturing	2	UV	3	Krischkowsky NN	English
514.012	S	Contextual Interaction Design	2	UV	3	Beuthel Sypniewski	English
514.014	S	Research Trends in HCI	2	SE	3	Meschtscherjakov Domhardt (FH)	English
514.015	S	Lecture Series: HCI	2	VO	3	Tscheligi	English

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Department of Computer Sciences
Academic Year 2020/21

		Related Disciplines				Linder (FH)	
514.016	S	HCI Research Project	2	IP	6	Meschtscherjakov Domhardt (FH)	English
514.024	S	Master Thesis Seminar	1	SE	2	Meschtscherjakov NN	English
911.074	-	Pattern Recognition 1	2	UV	2,5	Mayer, H.	English, German

Doctorate / PhD Computer Sciences

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.800	-	Doctoral Seminar	1	SE	2	Kirsch, C.	English
911.103	-	Multimedia Security (Media Security)	2	VO	2,5	Uhl, A.	English, German
911.104	-	Multimedia Security (Media Security)	1	PS	2,5	Uhl, A.	English, German
911.148	-	Research Seminar Multimedia Technology	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.318	-	WFM: Parallel Programming	2	VO	2,5	Resmerita, S.	English
911.319	-	WFM: Parallel Programming	1	PS	2,5	Resmerita, S.	English
911.054	-	Geometric Modeling	2	VO	2,5	Held, M.	English
911.906	-	Audio Processing	2	VO	2,5	Kutil, R.	English
911.907	-	Audio Processing	1	PS	2,5	Kutil, R.	English

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Academic Year 2020/21

911.425	-	Similarity Search in Large Databases	2	VO	2,5	Augsten, Nikolaus	English
911.908	-	Computer Vision (Advanced Image Processing and Computer Vision)	2	VO	2,5	Kwitt, R.	English
911.421	-	Imaging Beyond Consumer Cameras	2	VO	2,5	Kwitt, R.	English, German
911.344	-	Energy Informatics	1	SE	2	Engel, D.	English
911.075	-	Pattern Recognition 2	2	UV	2,5	Mayer, H.	English, German

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796.800	-	Doctoral Seminar	1	SE	2	Kirsch, C.	English
911.147	-	Research Seminar Multimedia Technology	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.437	-	Computer Aided Verification	2	VO	2,5	Sokolova, A.	English
911.435	-	Introduction to Concurrency Theory and Practice	2	VO	2,5	Sokolova, A.	English
911.906	-	Audio Processing	2	VO	2,5	Kutil, R.	English
911.427	-	Non-Standard Database Systems	2	VO	2,5	Augsten, N.	English
911.428	-	Non-Standard Database Systems	1	PS	2,5	Augsten, N.	English
911.235	-	Machine Learning	2	VO	2,5	Kwitt, R.	English, German

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911.068	-	Filterbanks and Wavelets	2	VO	2,5	Amstler, C.	English
911.343	-	Energy Informatics	1	SE	2	Engel, D.	English
911.074	-	Pattern Recognition 1	2	UV	2,5	Mayer, H.	English, German