

List of Courses Taught in English
Department of Computer Sciences
Academic Year 2021/22

BA Computer Sciences

Winter Semester 2021/22

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	Kocher, D.	English, German
511.065	3	Software Engineering	2	PS	4	Resmerita, S.	English
511 075	3	Databases II	1	PS	2	Schäler, M.	German, English
511 092	1	Introduction to HCI	1	PS	2	Paraschivoiu I., Smit G.	English
511.107	5	Project Management for Computer Science	3	VO	3	Pree, W.; Resmerita, S.	German, English
511.114	5	Software Lab	2	PR	5	Resmerita, S., Pree, W.; Hörbinger, F.	German, English
884.134 (LA)	5	Operating Systems	2	VO	2	Kirsch, C.	English, German

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
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
511.092	1	Introduction to HCI	1	PS	2	Paraschivoiu, I.	English

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BA Digitalisierung-Innovation-Gesellschaft (DIG)

Winter Semester 2021/22

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
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
512.053	2	HCI Future Visions	1	VU	2	Fuchsberger-Stauffer, V.	English
512.403	3	Application Development	3	PS	6	Naderlinger, A.	German, English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
512.052	2	HCI Basics: Lab Exercise		PS	2	Paraschivoiu, Ir.	English

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Master Computer Sciences

Winter Semester 2021/22

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.001	1	Advanced Data Bases	2	VO	2	Augsten, N.	English
911.002	1	Advanced Data Bases	1	PS	2	Schäler, M.	English
911.030	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
911.042	1	Seminar for Computer Science	2	SE	5	Tscheligi, M.	English, German
911.045	2	Seminar for Computer Science: Reading Group Algorithms	2	SE	5	Forster, S.	English
911.075	-	Pattern Recognition 2	2	UV	2,5	Mayer, H.	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

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911.421	-	Imaging Beyond Consumer Cameras	2	VO	2,5	Kauba, C.	English, German
911.422	-	Imaging Beyond Consumer Cameras	1	PS	2,5	Kauba, C.	English, German
911.425	-	Similarity Search in Large Databases	2	VO	2,5	Augsten, N.	English
911.426	-	Similarity Search in Large Databases	1	PS	2,5	Augsten, N.	English, German
911.905	-	Hardware Oriented Signal Processing 2	1	UV	1,5	Kutil, R.	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

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Summer Semester 2022

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.006	2	Distributed Systems	2	VO	2	Pree, W.	English, German
911.007	2	Distributed Systems	1	PS	2	Resmerita, S.	English
911.017	2	Software Techniques	1	PS	2	Resmerita, S.	English
911.024	1	Theoretical Computer Science	3	VO	3	Sokolova, Ana	English
911.074	-	Pattern Recognition 1	2	UV	2,5	Mayer, H.	English, German
911.147	-	Research Seminar Multimedia Technologies	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.235	-	Machine Learning	2	VO	2,5	Kwitt, R.	English, German
911.236	-	Machine Learning	1	PS	2,5	Kwitt, R.	English, German
911.343	-	Energy Informatics	1	SE	2	Engel, D.	English
911.345	-	WFM: Coalgebra	2	VO	3	Sokolova, A.	English
911.430	-	Selected Topics in Software Engineering	3	UV	5	Naderlinger, A.	German, 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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MA JDM Applied Image and Signal Processing

Winter Semester 2021/22

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.900	1	Image Processing and Imaging	2	VO	2	Uhl, A.	English, German
911.901	1	Image Processing and Imaging	1	PS	2	Uhl, A.	English, German
911.908	3	Computer Vision (Advanced Image Processing and Computer Vision)	2	VO	2,5	Kwitt, R.	English
911.909	3	Computer Vision (Advanced Image Processing and Computer Vision)	1	PS	2,5	Kwitt, R.	English
911.923	2	Fourier Analysis, Filter Banks & Wavelets	2	PS	4	Amstler, C.	English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.906	2	Audio Processing	2	VO	2,5	Kutil, R.	English
911.907	2	Audio Processing	1	PS	2,5	Kutil, R.	English
911.935	-	Advanced Machine Learning	2	VO	3	Kwitt, R.	English
911.936	-	Advanced Machine Learning	1	PS	2	Kwitt, R.	English

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MA Data Science

Winter Semester 2021/22

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.034	1	Introduction to Operating Systems	2	VO	3	Kirsch, C.	English, German
511.075	1	Databases II	1	PS	2	Schäler, M.	German, English
911.001	1.	Advanced Data Bases	2	VO	2	Augsten, N.	English, German
911.002	1	Advanced Data Bases	1	PS	2	Schäler, M.	English
911.042	1	Seminar for Computer Science	2	SE	5	Tscheligi, M.	English, German
911.148	3	Research Seminar Multimedia Technology	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.421	2	Imaging Beyond Consumer Cameras	2	VO	2,5	Kauba, C.	English, German
911.422	2	Imaging Beyond Consumer Cameras	1	PS	2,5	Kauba, C.	English, German
911.425	3	Similarity Search in Large Databases	2	VO	2,5	Augsten, N.	English
911.426	3	Similarity Search in Large Databases	1	PS	2,5	Augsten, N.	English, German
911.900	1	Image Processing and Imaging	2	VO	2	Uhl, A.	English, German
911.901	1	Image Processing and Imaging	1	PS	3	Uhl, A.	English, German

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911.908	3	Computer Vision (Advanced Image Processing and Computer Vision)	2	VO	2,5	Kwitt, R.	English
911.909	3	Computer Vision (Advanced Image Processing and Computer Vision)	1	PS	2,5	Kwitt, R.	English
911.923	2	Fourier Analysis, Filter Banks & Wavelets	2	PS	4	Amstler, C.	English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.073	2	Databases I	1	PS	2	Resmerita, S.	English
911.006	2	Distributed Systems	2	VO	2	Pree, W.	English, German
911.007	2	Distributed Systems	1	PS	2	Resmerita, S.	English
911.147	3	Research Seminar Multimedia Technologies	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.235	2	Machine Learning	2	VO	2,5	Kwitt, R.	English, German
911.236	2	Machine Learning	1	PS	2,5	Kwitt, R.	English, German
911.906	2	Audio Processing	2	VO	2,5	Kutil, R.	English
911.907	2	Audio Processing	1	PS	2,5	Kutil, R.	English

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MA Joint Master's Degree Program in Human-Computer Interaction

Winter Semester 2021/22

Course N.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instructions
514.001	W	HCI Theory & Paradigms	2	VO	2	Fuchsberger-Staufer	English
514.002	W	Foundations of HCI Methodologies	2	UV	4	Neureiter, K.	English
514.003	W	Applied Prototyping Skills for HCI	4	UV	6	Domhardt, M.; Hitthaler, T.; Maurer, B.	English
514.004	W	Human Factors & Design Principles	2	VO	2	Meschtscherjakov	English
514.005	W	Experience Engineering Methods	2	UV	4	Tscheligi; Braun	English
514.006	W	Interaction Design	2	UV	3	Smít, Campreguer	English
514.007	W	Design Thinking for Digital Innovation	2	UV	3	Jindra; Maurer	English
514.008	W	Ethics & Sustainability	1	UV	1,5	Maurer, N. N.	English
514.009	W	Diversity & Intercultural Aspects	1	VO	1,5	Cimzar	English
514.010	W	Societal & Legal Aspects in HCI	2	VO	3	Maier-Rabl; Mottl	English
514.017	W	Advanced Contextual	2	UV	3	NN, Maurer (FH)	English

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		Interfaces					
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
514.021	W	User Experience in Practice	2	UV	3	Murtinger	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 Research Methods	2	GK	1	Braun	English
514.104	W	Basics of Qualitative Research Methods	2	GK	1	Krischkowsky	English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instructions
514.012	2	Contextual Interaction Design	2	UV	3	Frauberger, C.; Bauthel J.	English
514.014	2	Research Trends in HCI	2	SE	3	Meschtscherjakov, A.	English
514.015	2	Lecture Series: HCI Related Disciplines	2	VO	3	Tscheligi, M.; Frauenberger, C.	English
514.016	2	HCI Research Project	2	IP	6	Meschtscherjakov, A.	English
514.024	4	Master Thesis Seminar	1	SE	2	Meschtscherjakov, A. et. al	English

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Department of Computer Sciences
Academic Year 2021/22

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	Mayer, H. et al.	English
911.045	-	Seminar for Computer Science: Reading Group Algorithms	2	SE	5	Forster, S.	English
911.075	-	Pattern Recognition 2	2	UV	2,5	Mayer, H.	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
911.421	-	Imaging Beyond Consumer Cameras	2	VO	2,5	Kwitt, R.	English, German
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

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.800	-	Doctoral Seminar	1	SE	2	Kirsch, C.	English
911.074	-	Pattern Recognition 1	2	UV	2,5	Mayer, H.	English, German
911.147	-	Research Seminar Multimedia Technology	1	SE	2,5	Uhl, A., Kwitt, R.	English, German
911.235	-	Machine Learning	2	VO	2,5	Kwitt, R.	English, German
911.343	-	Energy Informatics	1	SE	2	Engel, D.	English
911.906	-	Audio Processing	2	VO	2,5	Kutil, R.	English