

FACULTY I: HUMANITIES

Course Number.	Course Title - Lecturer	SWS	Course Type
#50815	Privacy and Data Ethics in Times of Big Data and AI - Journal Club Philosophy and Ethics of Design and Technology (6ECTS) - Ammon	2	Advanced seminar
0135 L 782	Sound Synthesis - von Coler	2	Seminar
3130 L 020	C. Figdor's "Pieces of Mind" - Krickel	2	Seminar
3130 L 021	Zentrale Probleme der Philosophie des Geistes	2	Seminar
3130 L 022	Feminist Epistemology		Seminar
3130 L 023	The Boundaries of the Self: Contemporary Perspectives in Phenomenology and Philosophy of Cognition - Kyseló	2	Seminar
3130 L 038	Embodiment and 4E Cognition - Kyseló	2	Advanced seminar
3130 L 039	"Enactivist Interventions" by Shaun Gallagher - Kyseló	Compact course	Advanced seminar
3130 L 040	Privacy and Data Ethics in Times of Big Data and AI – Journal Club Integrative Science and Technology Studies - Ammon	2	Advanced seminar
3131 L 060	Studio Class: Critical Making – Politics of Things - Conradi , Christensen	4	Seminar
3131 L 061	Gender & AI: Queering Technology - Conradi , Christensen	4	Seminar
3131 L 111	Early Modern Medicine in Theory and Practice - Reed	2	Seminar
3131 L 120	The End of Physics - Blum , Ruiz de Olano	2	Seminar
3131 L 131	When Politics became Science: The Renaissance political discourse between Utopianism, Moralism and Realism - Ottone	2	Seminar
3131 L 132	How Does Gender Shape Science? The Intermingling of Gender and Science in Historical Contexts - Rentetzi , Serrano	2	Seminar
3131 L 174	EU-China: Perceptions in Crisis - Revesz	2	Advanced seminar
3131 L 179	China a Science Superpower? An Introduction to China's Science Policy - Střelcová	2	Advanced seminar
3131 L 181	Opening up the Empire: The relationship between philosophy and science in the opening and closing of China - Schneider	2	Advanced seminar
3131 L 182	Towards the Future Garden City-the Public Transformation of the Chinese Classical Garden - Liu	2	Advanced seminar
3131 L 311	Verkehrswende and its Future: Using History to shape Long-Term Visions (in engl. Sprache) - Moraglio	2	Advanced seminar
3132 L 452	Refugee, Multi-Species and Other Urbanismus - Nickel , Sharma	2	Seminar
3132 L 460	Transnational Network and Migrants in Cities - Nickel , Ülker	2	Seminar
3132 L 523	Cultural asset displacement: current issues and concepts in East Asia - Park	2	Seminar
3135 L 003	Diskursanalyse zur Klimadebatte - Luong Thanh , Smith	2	Seminar
3135 L 121	Chinese: A Linguistic Introduction - Cho	2	Seminar

3151L008	History of Antisemitism in Germany - Jensen	2	Lecture
3151L009	Becoming Israeli - Schüler-Springorum	1	Seminar
3151L011	Antisemitism as a European Legal Tradition - Paz	2	Seminar
3151L013	Religion and Law - Paz	2	Seminar
3151L015	Antisemitic Discrimination (and other related hate crimes) Through Courts Cases - Paz	2	Seminar
3151L322	Berlin's Memorial Landscape and the Politics of Memory - Funck, Herrmann	2	Seminar
3151L323	Multiculturalism and Its Critics - Funck	2	Seminar

FACULTY II: MATHEMATICS AND NATURAL SCIENCE

Course Number	Course Title - Lecturer	SWS	Course Type
	High Dimensional Convex Geometry - Henk	2	Lecture
	Port-Hamiltonian Systems - Mehl		Colloquium
	Sommerschule: Combinatorial Optimization at Work (CO@Work) - Koch	4	Special event
	What are the fastest Network Flow algorithms on modern hardware? - Koch	2	Seminar
0235 L 0834	Grenzflächen von Polymeren (Surface Science of Polymers) - Schwarze, Lensen	2	Lecture
0235 L 0834	Grenzflächen von Polymeren (Surface Science of Polymers) - Schwarze, Lensen	1	Exercise
0235 L 0841	Special Topics in Nanotechnology and Bioelectronics - Altintas	1	Lecture
0235 L 0841	Special Topics in Nanotechnology and Bioelectronics - Altintas	2	Seminar
0235 L 0841	Special Topics in Nanotechnology and Bioelectronics - Altintas	1	Practical course
0235 L 0943	Molecular Imprinting Technology and Molecular Modeling - Schomäcker, Altintas	2	Lecture
0235 L 0943	Molecular Imprinting Technology and Molecular Modeling - Schomäcker, Altintas	1	Seminar
0235 L 0943	Molecular Imprinting Technology and Molecular Modeling - Schomäcker, Altintas	1	Practical course
0235 L 0945	Photocatalysis: Fundamentals, Materials and Applications - Schomäcker, Tasbihi	2	Lecture
0235 L 1104	Aktuelle Entwicklungen im Bereich d. anorganischen Funktionsmaterialien - Svilarov, Thomas	2	Seminar
0235 L 1210	New Trends in Biological Chemistry - Budisa, Schiffner	2	Seminar
0235 L 1305	Nanostrukturierte Biomaterialien - Lensen	2	Seminar
0235 L 1310	Wissenschaftliche Vorträge - Merkel	1	Lecture
0235 L 1346	Parallax - A Lab Exploring the Intersection Between Art and Science - Friedrich	2	Project

3233 L 521	Nonlinear Dynamics in Complex Systems and Networks - Zakharova	2	Lecture
3233 L 522	Nonlinear Dynamics in Complex Systems and Networks - Zakharova	2	Exercise
3233 L 630	Colloquium des Sfb 910 "Control of Self-Organizing Nonlinear Systems" - Klapp	2	Colloquium
3233 L 806	Fortgeschrittene Methoden der Nichtlinearen Dynamik und Kontrolle - Schöll	3	Seminar
3236 L 390	Algorithmische Mathematik - Bürgisser , Kummer	2	Colloquium
3236 L 117	Funktionalanalysis I - Genzel	4	Lecture
3236 L 119	Komplexe Analysis I - Suris	4	Lecture
3236 L 120	Komplexe Analysis I - Suris	2	Exercise
3236 L 133	Differentialgeometrie I - Pinkall	4	Lecture
3236 L 134	Differentialgeometrie I - Thiesen	2	Exercise
3236 L 206	Numerische Lineare Algebra II - Liesen	2	Lecture
3236 L 223	Geometry II: Discrete Differential Geometry - Springborn	4	Lecture
3236 L 224	Geometry II: Discrete Differential Geometry - Springborn , Techter	2	Exercise
3236 L 225	Differentialgeometrie III: The Symmetries of Things - Sullivan	4	Lecture
3236 L 246	Mathematische Physik II - Petrera	4	Lecture
3236 L 259	Facets of Complexity (RTG) - Skutella , Felsner , Niedermeier , Kreutzer , Bürgisser , Henk	4	Lecture
3236 L 282	Finanzmathematik II - Bank , Belak	2	Exercise
3236 L 282	Finanzmathematik II - Bank , Belak	4	Lecture
3236 L 308	Discrete Differential Geometry - Bobenko , Bücking	2	Seminar
3236 L 310	DGD Graduate Seminar - Bobenko , Techter	2	Seminar
3236 L 314a	COGA Research Seminar - Skutella , Lutz , Jäger , Sagnol , Morell	2	Seminar
3236 L 336	Stochastic Models in Neuroscience - Schwalger	2	Seminar
3236 L 368	Oberseminar Rough Paths, Stochastic Partial Differential Equations and Related Topics - Deuschel , Scheutzow , Friz , Stannat , Riedel	2	Seminar
3236 L 372	COSSE Seminar - Liesen , Nabben	2	Seminar
3236 L 373	Advanced Topic in Stochastic Analysis: Gaussian Free Field and Liouville Quantum Gravity - Tran	2	Seminar
3236 L 380	Diskrete und Konvexe Geometrie - Henk	2	Seminar
3236 L 400	Convex Analysis - Steidl	4	Lecture
3236 L 401	Harmonische Analysis I - Steidl	4	Lecture
3236 L 416	Angewandte Funktionalanalysis - Kutyniok	2	Advanced seminar
3236 L 504	Colloquium: AG Modellierung, Numerik, Differentialgleichungen - Emmrich , Mehrmann , Tröltzsch , Mehl , Hömberg , Liesen , Nabben , Kutyniok	2	Colloquium
3236 L 505	Discretization in Geometry and Dynamics - Bobenko , Bücking	1	Colloquium
3236 L 601	Angewandte Funktionalanalysis - Kutyniok	1	Introduction to scientific work
3236 L 632	Absolventen-Seminar Numerische Mathematik - Mehrmann	2	Seminar
3236 L 9969	Models of biological neural networks - Schwalger	2	Lecture

3237 L 381	From the new world of cold molecules - Friedrich (FHI)	2	Lecture
3251 L 056	Hot Solar System Plasmas - Büchner , Munoz Sepulveda	2	Lecture
3251 L 076	Remote sensing of planetary atmospheres - Garcia Munoz	2	Lecture
3251 L 101	Astronomische Beobachtungsmethoden - Patzer	4	Lecture + exercise
3251 L 102	Numerische Methoden in der Astrophysik - Schulreich	4	Lecture + exercise
3251 L 8819	Grundkurs der Plasmaphysik - Teil II - Wolf , Müller	4	Lecture

FACULTY III: PROCESS SCIENCES

Course Number	Course Title - Lecturer	SWS	Course Type
	Advanced Recycling Technologies II - Rotter , Korf	4	Project-integrated seminar
	Energy and Climate Change	2	Lecture
	International Engineering Summer School - Behrendt , Tcvetkova	Compact course	Special event
	Modern Power Plant Engineering		Lecture + exercise
0330 L 161	Thermally driven cooling components and systems (Kältetechnik II)- Ziegler , Hausherr	2	Lecture
0330 L 161.1	ADSORPTION/ SOLID SORPTION TECHNOLOGY – basics, technology and challenges - Ziegler	Compact course	Lecture + exercise
0330 L 477	Energy Engineering II - Morozyuk	4	Lecture + exercise
0330 L 600	Greening Africa Together - GATo - Seidler		Lecture + exercise
0333 L 402	Management of Sustainable Development - Methods and Tools - Finkbeiner , Bach	4	Lecture + exercise
0333 L 427	Seminar Sustainable Engineering - Finkbeiner	2	Seminar
0333 L 510 und 530	Solid waste treatment processes II: Biological processes and landfill technology - Rotter , Fritze	4	Lecture + exercise
0333 L 520	Integrated Management of agricultural residues I - Larsen	2	Seminar
0333 L 521	Integrated Management of agricultural residues II - Larsen	2	Project
0333 L 530	Biological processes and landfill technology - Rotter , Fritze	4	Lecture + exercise
0333 L 620	Surfacewater Quality Modeling - Hellweger	2	Lecture + exercise
0333 L 621	Surfacewater Quality Modeling - Hellweger	2	Exercise
0334 L 171	Rietveldverfeinerung / Rietveld Refinement - Gurlo , Bekheet	2	Lecture + exercise
0334 L 172	Nanomaterialien: Synthese, Eigenschaften, Anwendungen / Nanomaterials: Synthesis, Size-Dependent Properties and Applications - Gurlo , Hanaor	2	Lecture + exercise
0334 L 196	Additive Manufacturing (3D Printing) lab - Gurlo	2	Practical course
0334 L 434	Rheologie der Polymerschmelzen - Auhl	2	Lecture + exercise
0334 L173a	Introduction to Additive Manufacturing (3D Printing) - Gurlo	2	Integrated Course
0334L170	Colloquium "Advanced Ceramic Materials" - Gurlo	2	Colloquium
0335 L 007	Mitarbeiterseminar am FG - Meyer	2	Seminar
0335 L 031	Infektionsbiologie - Lauster , Peters	2	Lecture series
0335 L 037	Fungal Biotechnology in the Post- Genomic Era (alt: Mikrobielle Physiologie in Bioprozessen) - Pohl	3	Seminar
0335 L 056	Bioinformatics in Applied Microbiology = (alt) Systembiologie der Mikroorganismen - Schäpe	4	Practical course
0335 L 057	Genetic and Metabolic Engineering (alt Praxis der angewandten	3	Practical course

	und molekularen Mikrobiologie) - Schütze		
0335 L 058	Systems and Synthetic Biology in Applied Microbiology (alt Angewandte und molekulare Mikrobiologie) - Meyer	2	Lecture + exercise
0335 L 146	Functional Genomics Environmental Biotechnology	4	Lecture + exercise
0335 L 146	Geobiotechnology VL (6LP)	2	Lecture
0335 L 149	Isotope Biotechnology (3LP)	2	Integrated Course
0335 L 157	Bioverfahrenstechnik II - Neubauer	3	Lecture
0335 L 354	Maschinen und Apparate in der Brauerei I + II - Pahl , Wietstock Flöter	4	Lecture
0335 L 684	Advanced Bioanalytics Practical course – A - Forbrig , Rappsilber , Giese	4	Practical course
0335 L 685	Advanced Bioanalytics - Forbrig , Rappsilber , Giese	Compact course	Lecture + exercise
0335 L 754	Unifying concepts of biomolecular synthesis - Neubauer	2	Lecture + exercise
0335 L 764	Industrielle anaerobe Bioprozesse - Bioenergie, Biogas, Biosolvent - Neubauer , Junne	2	Lecture + exercise
0335L146	Functional Genomics Environmental Biotechnology	2	Lecture + exercise
0339 L 420	Optimization in Process Sciences / Prozessoptimierung - Esche	4	Lecture + exercise
30816	Phages: biology, ecology and biotechnological applications - Barrero Canosa	6	Lecture + exercise
3300 L 10632	Energy Systems Modeling	2	Lecture + exercise

FACULTY IV: ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

Course Number	Course Title - Lecturer	SWS	Course Type
	5th Generation Mobile Networks - Magedanz , Corici , Pauls	4	Lecture
	Advanced Protocols of Internet Communications - Tschorsch	2	Seminar
	Bayesian Analysis with Python - Müller , Dogadov	2	Kurs
	CTF - Seifert	2	Practical course
	Deep Neural Networks - Müller , Montavon		Lecture
	Digital Democracy - Brill	2	Seminar
	Fundamentals of Electrical Engineering	2	Lecture
	Fundamentals of Electrical Engineering Service - Szyszka		Lecture
	Industrial Internet of Things (IIoT) - Willner	4	Lecture
	Integrated High Frequency Systems and Applications - Malignaggi , Gerfers	2	Lecture
	International Engineering Summer School IESS 2020 - Smart Buildings - Lucia Gil	Compact course	Special event
	Introduction Master Computer Science (Informatik) - Kreutzer	One event	Introduction session
	Introduction to M.Sc. Information Systems Management (Wirtschaftsinformatik) - Tai	One event	Introduction session
	Introduction to MTV-Modules - Nestmann	One event	Introduction session
	Master Project Software Engineering of Embedded Systems- Glesner , Klös	6	Project
	Mathematical Methods in Signal Processing and Communications - Stanczak	2	Lecture
	Modern Signal Processing for Communications - Cavalcante	2	Lecture
	PV2Grid - Fundamentals of Electrical Engineering	2	Lecture
	Privacy Engineering - Pallas , Tai	4	Lecture + Exercise
	Public Key Cryptography - Seifert	2	Lecture
	Selected Topics in Wireless Communications and Networking - Stanczak	2	Lecture
	Theory and Algorithms of Machine Learning for Communication- Stanczak	2	Lecture
#40664	Current trends in graph theory and combinatorics	2	Seminar
#40935	Graph Minors - Kreutzer	6	Integrated course
0430 L 033	Diplomanden- und Doktorandenseminar Regelungssysteme - Raisch	2	Introduction to scientific work
0430 L 075	Hybrid Systems / Hybride Systeme - Raisch , Schafaschek	4	Lecture + Exercise
0430 L 152	Bioelectromagnetism - Orglmeister , Malmivuo	2	Lecture

0430 L 501	Secure Operational Control of Large-Scale Renewable Energy Systems and Power Grids - Strunz	4	Lecture + Exercise
0430 L 528	Renewable Energy Integration in Electric Networks - Strunz , Gornig	4	Lecture + Exercise
0430 L 605	Introduction to SPICE-based circuit simulation - Thewes	4	Project
0430140	Stationary Energy Storage Technologies - Kowal , Neupert	2	Lecture
0430141	Stationary Energy Storage Technologies - Kowal , Neupert	2	Exercise
0431 L 712	Design, Simulation and Reliability of Microsystems – Lang , Köszegi	2	Lecture
0431 L 713	Design, Simulation and Reliability of Microsystems – Lang , Köszegi	2	Practical course
0431 L 812	Molecular and Nano Systems - Tetzner	2	Lecture
0432 L 307	Project: Advanced Network Technologies - Zubow	4	Project
0432 L 310	Modern Wireless Networks - Zubow	2	Lecture
0432 L 339	Vehicular Networking and Cooperative Driving - Zubow	4	Lecture + Exercise
0432 L 595	Embedded Operating Systems	2	Lecture
0432 L 760	Project Open Distributed Systems - Tiesel , Hauswirth , Le Phuoc	6	Project
0432 L 812	Internet Security - Seifert , Zinner	2	Lecture
0432 L 813	Internet Measurement - Smaragdakis	2	Lecture
0432 L 814	Internet Control Plane - Shukla , Zinner	2	Lecture
0432 L 822	Network Architectures: Internet Measurement Seminar - Zinner , Schwarzmann	2	Seminar
0432 L 828	PGT: Project Meeting / Projectgruppentreffen (Doktorandenseminar) - Hohmeier-Toure , Zinner	2	Forschungscolloquium
0432 L 829	Thesis and project talks series / Diplomandenseminar - Hohmeier-Toure , Foucard , Zinner	2	Introduction to scientific work
0432 L 832	RouterLab - Enghardt , Shukla , Zinner	6	Practical course
0432 L 993	Research Project in network technologies - Zubow	6	Project
0432 L 999	Network Technologies: Selected Topics in Wireless Networking - Zubow	2	Seminar
0433 L 112	Microwave and Radar Remote Sensing - Reigber	2	Lecture
0433 L 113	Microwave and Radar Remote Sensing - Reigber	2	Exercise
0433 L 130	Automatic Image Analysis - Hellwich	2	Lecture
0433 L 131	Automatic Image Analysis - Hellwich	2	Exercise
0433 L 160	Hot Topics in Computer Vision (A) - Hänsch	6	Project
0433 L 170	Applied Computer Vision - Hellwich	4	Lecture + Exercise
0433 L 231	Applied Embedded Systems Project (AEP) - Juurlink	4	Project
0433 L 232a	Architektur Eingebetteter Systeme - Juurlink	1	Introduction to scientific work
0433 L 408	Robotics: Fundamentals - Brock , Stahl , Pall , Bhatt	6	Lecture + Exercise
0433 L 409	Robotics: Seminar - Brock , Stahl , Pall , Bhatt	2	Seminar

0433 L 416	Advanced Computer Architectures - Juurlink	4	Lecture + Exercise
0433 L 419	Computational Biology: Seminar - Brock , Stahl	2	Seminar
0433 L 431	Robotics: Colloquium - Brock , Stahl , Pall , Bhatt	2	Colloquium
0433 L 440	Wissenschaftliches Arbeiten in der Robotik - Brock	2	Introduction to scientific work
0433 L 709	Internet of Services Lab - Grunert , Küpper , Eichinger	6	Project
0433 L162	Hot Topics in Computer Vision - "n.n." - Hellwich	2	Seminar
0433 L481	Project: Computational Biology - Brock , Stahl	6	Project
0434 L 170	Seminar Software Engineering of Embedded Systems - Glesner Grochau Azzi	2	Seminar
0434 L 171	Analysis and Optimization of Embedded Systems – Glesner , Pfeffer	2	Exercise
0434 L 171	Analysis and Optimization of Embedded Systems – Glesner , Pfeffer	2	Lecture
0434 L 220	Parameterized Algorithmics - Niedermeier , Bredereck , Thielcke	4	Lecture + Exercise
0434 L 230	Research Colloquium on Algorithms and Complexity - Niedermeier , Thielcke , Himmel	2	Forschungscolloquium
0434 L 233	Computational Complexity - Niedermeier , Nichterlein , Thielcke	6	Lecture + Exercise
0434 L 455	DBSEM - Foundation of Database Systems - Markl , Papadias , Chaudhary	2	Seminar
0434 L 460	INFMOD II: Advanced Information Modeling - Kutsche	2	Exercise
0434 L 460	INFMOD II: Advanced Information Modeling - Kutsche	2	Lecture
0434 L 472	AIM 3 Advanced Information Management III – Scalable Data Science: Systems and Methods - Markl , Traub , Beedkar , Redyuk	4	Lecture + Exercise
0434 L 476	IMSEM - Hot Topics in Information Management - Markl	2	Seminar
0434 L 477	BDASEM: Seminar Big Data Analytics - Markl , Ziehn , Tzirita , Zacharatou	2	Seminar
0434 L 484	BDAPRO Big Data Analytics Project - Markl , Rezaei , Mahdiraji , Del Monte , Renz-Wieland	4	Project
0434 L 502	Kognitive Algorithmen - Müller , Brandl	2	Lecture + Exercise
0434 L 503	Machine Learning 2 - Müller , Montavon	4	Lecture + Exercise
0434 L 543	Python Programming for Machine Learning - Müller , Dogadov , Vidovic	2	Kurs
0434 L 550	Lab Course Machine Learning - Müller , Kauffmann	6	Practical course
0434 L 560	Hot Topics in Machine Learning - Müller , Vidovic , Montavon	2	Seminar
0434 L 561	MHD-In-Memory Databases on Modern Hardware - Breß , Zeuch , Chaudhary	4	Lecture + Exercise
0434 L 562	Machine Learning in the Sciences - Müller , Vidovic , Dogadov	2	Lecture

0434 L 581	Diplomanden/Doktorandenseminar Maschinelles Lernen - Müller, Panknin	2	Seminar
0434 L 582	Machine Learning and Data Management - Müller, Markl, Nakajima	2	Seminar
0434 L 864	Project Neuronale Informationsverarbeitung - Obermayer, Laschos	6	Project
0434 L 867	Machine Intelligence II - Obermayer, Kashef	2	Lecture
0434 L 868	Aktuelle Fragen des Konnektionismus - Obermayer	2	Colloquium
0434 L 876	Acquisition and Analysis of Neural Data Tutorial - Blankertz	3	Tutorium
0434 L 879	Programming Course and Project - Martin	2	Project
0434 L 880	Models of Higher Brain Function - Programming Tutorial - Sprekeler	2	Practical course
0434 L 880	Models of Higher Brain Functions - Analytical Tutorial - Sprekeler	2	Exercise
0434 L 880/2	Models of Higher Brain Function - Theoretical Lecture - Sprekeler	2	Lecture
0434 L 908	Forschungscolloquium Quality & Usability - Möller	2	Colloquium
0434 L 914	Neuro-Usability - Voigt-Antons	2	Projectkurs
0434 L 917	Multimodal Interaction - Möller, Hillmann	4	Lecture + Exercise
0434 L 918	Study Project Quality und Usability (6/9 CP), Interdisziplinäres Medienprojekt (10 CP)	4	Project
0434 L 955	Computer Security - PJ - Seifert	6	Project
0434 L 956	Computer Security Seminar - Seifert, Fietkau	2	Seminar
0434 L 972	Security Lab - Seifert, Bauroth, Hetzelt, Buhren	4	Practical course
0434 L 982	Software Security - Seifert, Shastry, Buhren	2	Lecture
0434 L 984	Quantum Computing - Seifert	2	Lecture
04347 L 240	Computational Social Choice - Thielcke, Brill	6	Lecture + Exercise
04347 L 250	Advanced Topics in Economics and Computation – Thielcke, Brill, George	2	Seminar
04347 L 260	Algorithms, Games, and the Internet - Thielcke, Brill, George	6	Lecture + Exercise
0434L7294	Current Topics in Computational Neuroscience - Sprekeler	2	Seminar
0435 L 337	Cloud Prototyping - Tai, Peise	8	Project
0435 L 389	Hot Topics in Information Systems Engineering - Pallas, Tai	2	Seminar
0435 L 703	RoboCup - Albayrak, Xu	4	Project
0435 L 739	Autonomous Communications - Khan	2	Seminar
0435 L 759	Applications of Robotics and Autonomous Systems – Albayrak, Görür	4	Project
0435 L 764	Autonomous Communications - Sivrikaya, Khan	4	Project
0435 L 771	AI and Cybersecurity / KI in der Netzwerksicherheit - Bsufka	4	Integrated Course
0435 L 781	Autonomous Security - Bsufka, Behnam Sani	2	Seminar
0435 L 782	Smart Energy Systems - Albayrak	4	Project
0435 L 795	Application System Project - Albayrak, Hrabia	8	Project

0435 L 797	Applied Artificial Intelligence Project - Albayrak , Hrabia	4	Project
3325 L 102	Model Predictive Control - Lucia Gil	2	Project
3433 L 10614	Programming Project: Data Science in Python and R - 1 – Aguilar, Cornejo , Vincent	4	Practical course
3433 L 5701	Mobile Services - Grunert , Rodriguez Garzon , Küpper	4	Lecture + Exercise
34331600 L 005	Wireless Digital Communications Lab II - Kortke , Caire	2	Practical course
34331600 L009	Sparse Signal Processing, Applications and Algorithms – Jung , Haghighatshoar	2	Seminar
34332400 L 004	Introduction to Reinforcement Learning - Maghsudi	2	Lecture
34332400 L 005	Applications of Reinforcement Learning in Engineering - Maghsudi	2	Lecture + Exercise
34342000L- 001	Event-based Robot Vision - Gallego Bonet	4	Lecture
34342000L- 002	Event-based Robot Vision - Gallego Bonet	2	Exercise
3435 L 10531	Theoretical Foundations of Machine Learning - Lippke Oppper , Galy-Fajou	2	Seminar
3435 L 503	Acquisition and Analysis of Neural Data - Blankertz , Miklody	4	Lecture + Exercise
3435 L 510	Doktorandenseminar des Fachgebietes Neurotechnologie - Blankertz	2	Seminar
3435 L 712	Probabilistic and Bayesian Modelling in Machine Learning and Artificial Intelligence - Lippke , Oppper , Galy-Fajou	4	Lecture + Exercise
3435 L 719	Monte Carlo Methods in Artificial Intelligence and Machine Learning - Lippke , Oppper , Galy-Fajou	2	Exercise
3435 L 721	Monte Carlo Methods in Artificial Intelligence and Machine Learning - Lippke , Oppper , Galy-Fajou	2	Lecture
3435 L 9220	Data Science Applications - Abedjan , Mahdavi Lahijani	4	Project
40898	Machine Learning in Medical Image Processing - Hennemuth	6	Project

FACULTY V: MECHANICAL ENGINEERING AND TRANSPORT SYSTEMS

Course Number	Course Title - Lecturer	SWS	Course Type
	Data Science and Artificial Intelligence for Urban Water Management - Cominola	4	Lecture + Exercise
#50815	Privacy and Data Ethics in Times of Big Data and AI - Journal Club Philosophy and Ethics of Design and Technology (6ECTS) - Ammon	2	Advanced seminar
0530 L 164	Hands-on project to finite element analysis - Müller , Glane	4	Lecture + Exercise
0531 L 271	Automobil- und Bauwerksumströmung - Paschereit , Nayeri , Löfdahl	4	Lecture + Exercise
0531 L 538	Room acoustics - Sarradj , Masovic	4	Lecture + Exercise
0532 L 003	Office-Clans, Desk-Artefacts and Consulting-Rituals: ethnographic perspectives on work systems - Mörike	2	Seminar
0532 L 004	Office-Clans, Desk-Artefacts and Consulting-Rituals: ethnographic perspectives on work systems - Mörike	2	Exercise
0532 L 069	Seminar Mensch-Maschine-Systeme - Rötting , Freytag	2	Seminar
0532 L 352	Raumfahrtpsychologie/Space Psychology - Manzey	2	Seminar
0533 L 013	Multi agent transport simulation - Nagel	4	Lecture + Exercise
0533 L 713	Methods in the development process of rail vehicles – Hecht , Wehrmann	2	Lecture
0535 L 138	Systematic Product Development - Fay , Grahle , Heide	4	Lecture + Exercise
0536 L 322	Global Production Engineering / Quality Management II - Jochem	2	Lecture
0536 L 329	Introduction to Engineering Data Analytics with R – Jochem , Trevino	2	Lecture + Exercise
3130 L 040	Privacy and Data Ethics in Times of Big Data and AI – Journal Club Integrative Science and Technology Studies - Ammon	2	Advanced seminar
3532 L 009	Forschungsseminar: Decision Making in Real-Word Settings - Rußwinkel	2	Seminar
3532 L 357	Risiko und Unsicherheit / Risk and uncertainty - Feufel	2	Lecture
3532 L 358	Risiko und Unsicherheit / Risk and uncertainty - Feufel	2	Exercise
3534 L	Sensor Systems for UAS - Berth , Uijt de Haag	4	Lecture + Exercise
3534 L 008 / 009	Flight Operations - Fundamentals - Tran , Uijt de Haag	4	Lecture + Exercise
3534 L 622	Flight Management and Procedure Design - Uijt de Haag	2	Lecture
3534 L 622	Flight Management and Procedure Design - Uijt de Haag	2	Exercise
3534 L 858	Technik der bemannten Raumfahrt - Brieß , Manzey , Ohe	4	Lecture + Exercise
3534 L 860	Advanced Aircraft Navigation - Uijt de Haag	4	Lecture + Exercise
3535 L 557	Vehicle-2-x communication and control - Park	4	Lecture
3536 L 202	Fabrikbetrieb - Kohl , Muschard , Aydemir , Wewer	2	Lecture
3537L012	Indentation Testing of Biological Tissues - Argatov	4	Lecture

50809

[Magnetic Resonance Imaging II - Reconstruction and
quantitative methods](#) - [Kraft](#), [Seufert](#)

2

Lecture + Exercise

FACULTY VI: PLANNING, CONSTRUCTION AND ENVIRONMENT

Course Number	Course Title - Lecturer	SWS	Course Type
	Campus Import/Export	2	Seminar
	Mastercolloquium Urban Ecosystem Sciences - Scherer	0.5	Seminar
	Urban Design Lecture Series - Agudelo Ganem	2	Lecture
	Urbanization and Global Environmental Change	2	Lecture
	Urbanization and Global Environmental Change - Creutzig	2	Lecture
	Widening Research Skills and Knowledge on Research Organization	2	Introduction to scientific work
06311900 L 41	Modeling Hydro- and Environmental Systems - Hinkelmann, Tügel	2	Lecture
06311900 L 42	Modeling Hydro- and Environmental Systems - Hinkelmann, Tügel	2	Exercise
06311900 L 43	Specific Topics of Hydro- and Environmental Engineering - Hinkelmann, Matta, Tügel	1	Lecture
06311900 L 44	Specific Topics of Hydro- and Environmental Engineering - Hinkelmann, Matta, Tügel	1	Practical course
06311900 L 61	Selected Topics on Hydro- and Environmental Numerical Simulation - Hinkelmann	1	Seminar
06341300 L 24	The Urban Atmosphere I - Scherer	2	Lecture + Exercise
06341300 L 25	The Urban Atmosphere II - Scherer	2	Lecture + Exercise
06341300 L 26	Environmental Resources in Urban Regions - Nehls		Project
06351100 L 02	Internationale Umweltpolitik (International Environmental Policy) - Dehnhardt, Hirschfeld	2	Lecture + Exercise
06351100 L 09	Umweltpolitik der Europäischen Union (Environmental Policy in the EU) - Dehnhardt, Hirschfeld	2	Lecture + Exercise
06351100 L 99	Entwicklungspolitik - Fahrenhorst	2	Lecture series
06351300 L 01	Methods of Impact Prediction and Assessment-Project Level - Biehl	2	Lecture + Exercise
06351300 L 03	Methods of Impact Prediction and Assessment - Policy, Plan and Program Level - Geißler	2	Lecture + Exercise
06351700 L 20	Interdisciplinary Theory and Practice - Giseke	2	Lecture
06361100 L22	Auftrags-Project Master (M3): Warschau-Workshop - Pahl-Weber, Kloss, Starosta	8	Project
06361300 L27	Urban Design Methods & Tools (M5.2) - Million, Brück, Aho	2	Lecture + Exercise
06361300 L40	Interdisciplinary Theory and Practice (M5.2) - Giseke, Million, Aho	2	Lecture
06361400 L27	Planning as Political Process, 2 (M4-A): Planning Conflicts: Local	2	Seminar

	Protest and Networked Mobilization in Urban Development - Gualini		
06361400 L30	Critical Urban Policy Studies: Theoretical Issues and Empirical Explorations (M4-B/M9.2) - Gualini	3	Seminar
06361400 L32	Critical Urban Policy Studies: Theoretical Issues and Empirical Explorations. Consultations (M4-B/M9.2) - Gualini	1	Seminar
06371400 L 01	Urban Design Methods and Tools - Löw, Fuller	4	Seminar
06371600 L 44	Methodologie der Sozialwissenschaften 1: Spatial Methods for Urban Sustainability - Baur	2	Seminar
06381500 L 02	Sondergebiete der intern. Urbanistik I - Berger, Misselwitz	4	Seminar
06381500 L 07	Wahlfach MOVE - Berger, Misselwitz	4	Seminar
06381900 L 28	Mitten im Gemeinwohl? Planwerk Innenstadt Reloaded (Arch M E.07) - Stollmann, Lüttke, Heilgemeir	6	Lecture + Exercise
06381900 L 41	Mitten im Gemeinwohl? Planwerk Innenstadt Reloaded (UD PJ A) - Stollmann, Lüttke, Heilgemeir	8	Design project
06381900 L 43	Mitten im Gemeinwohl? Planwerk Innenstdt Reloaded (UD Vertiefung) - Stollmann, Lüttke, Heilgemeir	6	Integrated Course
06381900 L 61	Mitten im Gemeinwohl? Planwerk Innenstadt Reloaded (M-Arch-T P(15) Design Studio 1) - Stollmann, Lüttke, Heilgemeir	10	Integrated Course
06381900 L 62	Mitten im Gemeinwohl? Planwerk Innenstadt Reloaded (M-Arch-T P(15) Design Studio 2) - Stollmann, Lüttke, Heilgemeir	10	Integrated Course
06381900 L 66	Mitten im Gemeinwohl? Planwerk Innenstadt Reloaded (M-Arch-T WP(9)) - Stollmann, Lüttke, Heilgemeir	6	Lecture + Exercise
06382200 L65	Bioclimatic Design I - Steffan	4	Lecture + Exercise
06383000 L 04	Arch_M_E.03 Design project Städtebau I - Behne, Hehl	8	Design project
06383000 L 19	Arch_M_ADI.04 Architekturvermittlung II - Behne, Hehl	2	Seminar
06383000 L 21	Arch_M_WP_ADI.02 Experimentelle Entwurfsmethoden II - Behne, Hehl	2	Seminar
06383000 L 98	Contemporary Urban Research - Behne, Hehl	2	Seminar
06383100 L 22	Supply Chain Urbanism III (Arch M E.03) - Lüttke, Bunschoten, Karl	10	Design project
06383100 L 23	Supply Chain Urbanism III (Arch M E.04) - Lüttke, Bunschoten, Karl	10	Design project
06383100 L 25	Urban Aggregations II (Arch_M_E.07) - Lüttke, Bunschoten, Karl	6	Lecture + Exercise
06383100 L 33	Bauhütte 4.0 (Arch M WP HA(6) ST1.02) - Lüttke, Bunschoten, Pienaru	4	Seminar
06383100 L 42	Supply Chain Urbanism III (UD PJ A) - Lüttke, Bunschoten, Karl	8	Design project
06383100 L 66	Urban Aggregations II (M-Arch-T WP(9)) - Lüttke, Bunschoten, Karl	6	Lecture + Exercise
06383100 L 67	Supply Chain Urbanism III (M-Arch-T P(15) Design Studio 2) -	10	Design project

<u>Lüttke, Bunschoten, Karl</u>			
3631 L 9034	<u>Data Engineering - Hartmann</u>	4	Lecture
3631 L 9525	<u>Integrated Collaborative Civil Systems Engineering - Hartmann</u>	2	Lecture
3633 L 217	<u>Physical Geodesy - Flechtner</u>	2	Lecture + Exercise
3633 L 218 IV	<u>Geodetic Methods in Planetary Research - Oberst</u>	2	Lecture + Exercise
3633 L 219	<u>Mathematical Geodesy - Schuh, Heinkelmann</u>	2	Lecture + Exercise
3633 L 220	<u>Selected sections of navigation and positioning - Galas, Wickert</u>	4	Lecture + Exercise
3633 L 222	<u>Planetary and Space Science Seminar - Galas, Oberst, Schuh, Flechtner, Wickert</u>	2	Seminar
3633 L 223	<u>Selected Sections of Adjustment Calculation - Neitzel</u>	2	Lecture
3633 L 224	<u>Selected Sections of Adjustment Calculation - Neitzel, Weisbrich, Pasioti</u>	2	Exercise
3633 L 225	<u>Engineering Geodesy A - Neitzel, Weisbrich</u>	3	Lecture + Exercise
3633 L 226	<u>Geodetic Sensors - Neitzel, Weisbrich</u>	2	Lecture + Exercise
3633 L 227	<u>Engineering Geodesy Seminar - Neitzel, Weisbrich</u>	2	Seminar
3633 L 9075	<u>Geographical Information Systems A - Kada, Karut</u>	3	Lecture + Exercise
3633 L 9082	<u>Seminar Geoinformatics - Kada</u>	2	Seminar
3635 L33	<u>Project Environmental Planning: Practice and applied research- Köppel</u>	8	Project

FACULTY VII: ECONOMICS AND MANAGEMENT

Course Number	Course Title - Lecturer	SWS	Course Type
	Data Protection Law - Haase	4	Lecture + Exercise
	Designing Your Happy Life - Kratzer , Cagarman	4	Integrated Course
	Forschungskolloquium		Colloquium
	Lifescience Venturing - Kratzer , Festel	4	Integrated Course
	Research Seminar on Environment, Resource and Climate Economics (RSERC) - Meran , von Hirschhausen	1	Seminar
0830 L 158	Master- and PhD Colloquium in Macroeconomics - Heinemann	3	Colloquium
0830 L 160	Ausgewählte Fragen zu Monetärer Makroökonomik, Finanzkrisen und Koordination - Heinemann , Ahrens , Geismar , Bitter	2	Seminar
0830 L 162	Advanced Macroeconomics - Heinemann	2	Lecture
0830 L 163	Advanced Macroeconomics - Heinemann , Geismar	2	Exercise
0830 L 686	Doktoranden und Forschungskolloquium - Kübler , Ivanova-Stenzel	2	Colloquium
0830 L 696	BBE - Kübler , Ivanova-Stenzel	2	Seminar
0831 L 675	Praxisseminar - Case Studies in Accounting & Controlling - Mehr , Lachmann	4	Advanced seminar
0831 L 680	Colloquium der Abschlussarbeiten - Mehr , Lachmann , Wibbeke	2	Colloquium
0832 L 274	Strategic Standardization & Platform Management – Blind , Pohlisch	2	Lecture
0832 L 275	Strategic Standardization & Platform Management - Blind , Pohlisch	2	Exercise
3831 L 10264	Seminar Current Topics in Computational Macroeconomics - Heinemann	2	Seminar
38311 L 10571	Payments and Market Infrastructure - Heinemann , Bindseil , Ahrens	2	Lecture + Exercise
3832 L 9619	PomCases - AutoPOM CodingLab - Langer , Volling	4	Seminar
3832 L 9620	Production and Operations Management in the Automotive Industry - Langer , Volling	4	Lecture + Exercise
3833 L 9217	Digital Innovation - Böhmecke-Schwafert	2	Exercise
70 110 L 10202	Auction Theory - Meisner	2	Lecture
70 110 L 10203	Auction Theory - Meisner	2	Exercise
70055	International Entrepreneurship - Kratzer	4	Lecture + Exercise
70256	Venture Campus - Kratzer , Hager , Noak	6	Integrated Course
71 110 L 1581	Advanced Microeconomics - Ivanova-Stenzel , Angelova	2	Seminar
71 14 L 01	Topics in Microeconomics (Student Research Project) - Ivanova-Stenzel , Angelova	4	Seminar
71 140 L 8471	Advanced Macroeconomics II - Heinemann , Geismar	4	Lecture + Exercise
71 150 L 1547	Energy Economics - Energy Sector Modeling (EW-MOD) -	4	Lecture + Exercise

	von Hirschhausen , Weibezahn		
71 150 L 5509	Advanced Efficiency and Productivity Analysis - Hirschhausen	4	Lecture + Exercise
71 150 L 8771	Operations Research - Methods for Energy and Resource Markets (OR-RES) - Weibezahn , Oei	4	Seminar
71 21 L 14 PhD	Treatment Effect Analysis Ph.D. Lecture - Werwatz , Haring		Lecture + Exercise
71 210 L 1569	Introduction to Financial Econometrics - Werwatz , Plitzko	2	Lecture
71 530 L 1553	Experimental and Behavioural Economics - Kübler , Ivanova-Stenzel	4	Lecture + Exercise
71 540 L 2591	Energy and Climate Policies - Neuhoff	2	Lecture
71 540 L 2592	Energy and Climate Policies - Neuhoff	2	Seminar
71530L8804	Student Research Project Experimental and Behavioral Economics - Kübler	2	Project
72 11 L 52	Crisis Management meets Consulting - Kratzer , Lehmann	4	Integrated Course
72 140 L 1463	Innovation Marketing	4	Lecture
73 120 L 2292	Fundamentals of Project Management - Salomo , Emmerich	2	Lecture
73 120 L 2293	Fundamentals of Project Management - Salomo , Emmerich	2	Exercise
73 120 L 2298	Innovation Management - Process and Actors - Pena Häufler	2	Exercise
73 120 L 2299	Innovation Management - Process and Actors - Salomo	2	Lecture
73 120 L 5274	Strategic Project Management and Agile Organization - Schott	Compact course	Lecture
73 120 L 5275	Strategic Project Management and Agile Organization - Schulz	Compact Course	Exercise
73 120 L 6389	Advanced Research Seminar - Innovation Management - Pena Häufler , Salomo	2 + extra events	Seminar
73 120 L 7096	Technology Management - Hölzle , Salomo , Pinkow	6	Integrated Course
73 51 L 50	Knowledge and Technology Transfer - Blind , Pohlisch , Böhmecke-Schwafert , Rochell	4	Seminar
73 510 L 1479	Innovation Policy - Blind , Rochell	2	Exercise
73 510 L 1480	Innovation Policy - Blind , Rochell	2	Lecture
73 52 L 12	Entrepreneurship Research - Kratzer	4	Integrated Course

MISCELLANEOUS

Course Number	Course Title - Lecturer	Course Type
	Excel for Beginners (proScience Workshop)	Lecture + Exercise
4600 L 007	First steps in the Central Library - Ullmann	Introduction session

Legend:

Einführungsveranstaltung	Introduction session
Haupt-/ Proseminar	advanced seminar
Integrierte Lehrveranstaltung	lecture + exercise
Kolloquium	colloquium
Lehrveranstaltung	course
Projekt/ praktische Arbeit	project / practical course
(Entwurfs)Projekt	(design) project
Tutorium	tutorial
Übung (UE)	exercise
Vorlesung (VL)	lecture

SWS (Semesterwochenstunden)

number of hours per week (1 SWS == 1.5 credits)

