

## FACULTY I: HUMANITIES

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
0135 L 781	The Perception of Timbre - Saitis	2	Seminar
3130 L 016	Theorie des Widerspruchs - Simon , Koehne	2	Advanced Seminar
3131 L 130	The Status of Mathematics from Antiquity to the Renaissance - Axworthy	2	Advanced Seminar
3131 L 131	Introduction to Historical Network Research - Lalli	2	Advanced Seminar
3131 L 171	Iron Silk Roads: Transport and Mobility in Modern Asia - Anastasiadou	2	Seminar
3132 L 410	In a World of Cities: From Metropolitan to Global Network - Nickel , Sharma	2	Seminar
3132 L 415	The World in the City MA/IGK Forschungskolloquium - Nickel , Brantz		Colloquium
3134 L 1000	Migration, Past, Present, Future. From the End of Empire to Sanctuary Cities and Beyond - Nickel, Sharma	2	Seminar
3134 L 1000	Deutschkurs in der Box: Materielle Unterstützung ehrenamtlicher Deutschkurse mit geflüchteten und migrierten Personen - Seibert , Lehmkuhl		Courses
3135 L 303	Elektronisches Orchester - Coler	2	Seminar

## FACULTY II: MATHEMATICS AND NATURAL SCIENCE

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	<b>Angewandte Funktionalanalysis - Kutyniok</b>	1	Instructions for Scientific Work
	<b>Cross-stream migration of active particle</b>		Presentation
	<b>Molecular Imprinting Technology and Molecular Modeling</b>	2	Lecture
	<b>Navigation of Artificial Microswimmers in Ambient Shear Flow - Stark</b>	2	Presentation
	<b>Polynomials and Polytopes - Sturmfels</b>		Autonomous Seminar
	<b>Vortrag: Prof. Raja Giryes - Kutyniok , Hedrich</b>		Presentation
	<b>Workshop Nonlinear Algebra - Sturmfels , Schulz</b>		Workshop
	<b>xy</b>		Presentation
0235 L 130	<b>Grenzflächen von Polymeren (Surface Science of Polymers) - Lensen</b>	2	Lecture
0235 L 131	<b>Grenzflächen von Polymeren (Surface Science of Polymers) - Lensen</b>	1	Exercise
0235 L 1310	<b>Wissenschaftliche Vorträge - Merkel</b>	1	Vorträge
0235 L 300	<b>Kolloquium des Internationalen Graduiertenkollegs 1524 "Self-Assembled Soft-Matter Nanostructures at Interfaces" - von Klitzing , Schoen , Klapp , Hildebrandt , Gradzielski , Stark , Fliegner</b>	3	Colloquium
0235 L 829	<b>Aktuelle Entwicklungen im Bereich d. anorganischen Funktionsmaterialien - Svidersov , Thomas</b>	2	Seminar
3233 L 310	<b>Theoretische Festkörperphysik I, II - Scheffler , Knorr , Carbogno</b>	4	Vorlesung
0235 L 996	<b>New Trends in Biological Chemistry - Budisa, Schiffner</b>	2	Seminar
3233 L 606	<b>Nichtlineare Dynamik - Schöll , Lüdge , Hövel , Zakharova</b>	2	Seminar
3233 L 608	<b>Oberflächenphysik (Theorie) - Scheffler , Levchenko</b>		Seminar
3233 L 628	<b>Festkörpertheorie (Journal Club) - Scheffler , Ghiringhelli</b>	2	Seminar
3233 L 606	<b>Nichtlineare Dynamik in komplexen Systemen - Schöll</b>	2	Seminar
3233 L 608	<b>Oberflächenphysik (Theorie) - Scheffler , Carbogno</b>		Seminar
3233 L 628	<b>Festkörpertheorie (Journal Club) - Scheffler</b>		Seminar
3233 L 630	<b>Kolloquium des Sfb 910 "Control of Self-Organizing Nonlinear Systems" - Schöll, Klapp, Aust</b>		Colloquium
3233 L 806	<b>Theoretische Physik</b>	1	Instructions For Scientific Work
3236 L 117	<b>Funktionalanalysis I - Kutyniok</b>	4	Lecture
3236 L 119	<b>Komplexe Analysis I (vorher Funktionentheorie I) - Springborn</b>	4	Lecture
3236 L 120	<b>Komplexe Analysis I (vorher Funktionentheorie I) - Springborn</b>	2	Exercise
3236 L 133	<b>Differentialgeometrie I: Kurven und Flächen - Springborn</b>	4	Lecture
3236 L 134	<b>Differentialgeometrie I: Kurven und Flächen - Springborn</b>	2	Exercise
3236 L 149	<b>Combinatorics (Diskrete Strukturen I) - Felsner , Kleist</b>	4	Lecture
3236 L 149	<b>Combinatorics (Diskrete Strukturen I) - Felsner , Kleist</b>	2	Exercise
3236 L 206	<b>Numerische Lineare Algebra II - Liesen</b>	2	Lecture

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3236 L 208	Funktionalanalysis III - Kutyniok	1	Exercise
3236 L 208	Funktionalanalysis III - Kutyniok	4	Lecture
3236 L 223	Geometry II: Discrete Differential Geometry - Bobenko	4	Lecture
3236 L 223	Geometry II: Discrete Differential Geometry - Bobenko	2	Exercise
3236 L 225	Differentialgeometrie III: Fluid Mechanics - Pinkall	4	Lecture
3236 L 239	Konvexgeometrie II - Henk	4	Lecture
3236 L 246	Mathematische Physik II - Suris	4	Lecture
3236 L 259	Methods for Discrete Structures - Grötschel , Skutella , Joswig , Lutz , Felsner , Niedermeier , Kreuzer , Bürgisser , Henk	4	Lecture
3236 L 282	Finanzmathematik II - Papapantoleon , Saplaouras	2	Exercise
3236 L 282	Finanzmathematik II - Papapantoleon	4	Lecture
3236 L 308	Discrete Differential Geometry - - Bobenko , Bücking	4	Lecture
3236 L 297	Geometry of Numbers (Diskrete Geometrie III) - Henk	4	Lecture
3236 L 314a	COGA Research Seminar - Skutella , Lutz	2	Seminar
3236 L 310	DGD Graduate Seminar - Bobenko, Rörig,	2	Seminar
3236 L 314a	COGA Research Seminar - Skutella, Groß, Schlöter, Mütze, Smolny, Jäger, Sagnol	2	Seminar
3236 L 368	Oberseminar Rough Paths, Stochastic Partial Differential Equations and Related Topics - Friz	2	Seminar
3236 L 370	Advanced (practical) Programming (for scientists) - Schulz , Koch , Rehfeldt	2	Lecture
3236 L 377	Funktionalanalysis und Data Science - Kutyniok		Seminar
3236 L 380	Diskrete und Konvexe Geometrie - Henk	2	Seminar
3236 L 392	Angewandte Funktionalanalysis - Kutyniok	2	Seminar
3236 L 405	Kolloquium: AG Modellierung, Numerik, Differentialgleichungen - Emmrich , Mehrmann , Tröltzsch , Mehl , Hömberg , Liesen , Nabben , Kutyniok	2	Colloquium
3236 L 406	Discretization in Geometry and Dynamics - Bobenko , Bücking	1	Colloquium
3236 L 409	Rough Analysis and Quantitative Finance - Friz	2	Seminar
3236 L 632	Absolventen-Seminar Numerische Mathematik - Mehrmann, Mehl	2	Seminar
3237 L 381	From the new world of cold molecules - Friedrich (FHI)	2	Lecture
3251 L 041	Extrasolar Planets - Rauer	2	Lecture
3251 L 055	Key Themes in Planetary Atmospheres -Garcia Munoz	2	Seminar
3251 L 076	Remote sensing of planetary atmospheres - Garcia Munoz	2	Lecture
3251 L 101	Astrophysikalisches Praktikum - Feige	4	Practical Course
3251 L 102	Computational Astrophysics Practical Course (Numerikum) - Patzer	4	Practical Course
JP_02	Navigation of Artificial Microswimmers in Ambient Shear Flow		Presentation
L 9209	Übung zur nichtlinearen Plasmaphysik II - Müller , Grossmann	2	Exercise

## FACULTY III: PROCESS SCIENCES

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	Energy and Development Project - Erdmann	4	Lecture + Exercise
	Beware of Toxic Metabolites - Cyanotoxins and Co - Esterhuizen-Londt	2	Lecture
	Dissertation		Colloquium
	Energy Economics 2		Lecture
	Final Presentation IDP SoSe 2017		Exam
	IT for Energy - El Gouna		Lecture
	IT for Energy II - El Gouna		Lecture
	International Engineering Summer School - Behrendt		Special Event
	Summe		Seminar
0330 L 161	Thermally driven cooling components and systems (Kältetechnik II) - Ziegler	2	Lecture
0330 L 161.1.	ADSORPTION/ SOLID SORPTION TECHNOLOGY – basics, technology and challenges - Ziegler		Lecture + Exercise
0330 L 477	Energy Engineering II - Morozjuk	4	Lecture + Exercise
0331 L 220	Physikalische Chemie - Kraume	2	Lecture
0333 L 402	Management of Sustainable Development - Methods and Tools - Finkbeiner , Lehmann	4	Lecture + Exercise
0333 L 427	Sustainable Engineering - Finkbeiner	2	Seminar
0333L662	Water Recycling - Technologies and Concepts - Jekel , Ruhl		Lecture + 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	2	Lecture + Exercise
0334 L 434	Rheologie der Polymerschmelzen - Wagner , Kruse	2	Lecture + Exercise
0334 L173a	Sintering and Additive Manufacturing / Moderne Sintertechnologien und additive Verfahren - Gurlo	3	Integrated Course
0334L170	Colloquium "Advanced Ceramic Materials" - Gurlo	2	Colloquium
0335 L 007	Mitarbeiterseminar am FG - Meyer	2	Seminar
0335 L 037	Mikrobielle Physiologie in Bioprozessen - Meyer , Cairns , Nai	3	Lecture + Exercise
0335 L 057	Praxis der angewandten und molekularen Mikrobiologie - Jung	3	Practical Course
0335 L 058	Angewandte und molekulare Mikrobiologie - Meyer	2	Lecture
0335 L 146	Biochemie geo- und umweltrelevanter Prozesse	2	Lecture
0335 L 157	Bioverfahrenstechnik II - Neubauer	3	Lecture
0335 L 354	Maschinen und Apparate in der Brauerei I + II - Methner , Pahl	4	Lecture
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
0339 L 420	Optimization in Process Sciences - Esche	4	Lecture + Exercise
3334 L 698	Fügen metallischer Werkstoffe - Coelho	2	Lecture + Exercise

## FACULTY IV: ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	Advanced Enterprise Computing - Klems , Bermbach , Kuhlenkamp , Tai	4	Lecture + Exercise
	Auf Kohlenstoff-Nanoröhren basierte elektronische Bauelemente (Carbon nanotube based electronic devices) - Boit , Rabe		Lecture + Exercise
	Gastvortrag Vern Paxson - Feldmann , Richter		Special Event
	Helena: Handling massively distributed systems with Elaborate Ensemble Architectures		Presentation
	IDA misc		Presentation
	Master Program Course for Lecturers from Afghanistan - Peroz		Project
	Master Project Software Engineering of Embedded Systems - Glesner , Herber	6	Project
	Neural Networks - Müller , Montavon	2	Seminar
	Talk Prof. Shlomo Shamai - Caire		Presentation
	Vortragsreihe / Series of lectures - Seifert	2	Presentation
	Vorstellung der Studiengebiete an der Fakultät IV		Introduction Session
	Vortragsreihe / Series of lectures - Seifert	2	Lecture
	5th Generation Mobile Networks - Magedanz , Reichel , Corici , Pauls	4	Lecture
	Industrial Internet of Things - Magedanz , Willner	2	Lecture
0430 L 033	Diplomanden- und Doktorandenseminar Regelungssysteme - Raisch	2	Instructions For Scientific Work
0430 L 501	Electric Energy Networks I - Large Scale Energy System Analysis and Operation - Strunz	4	Lecture + Exercise
0430 L 528	Renewable Energy Integration in Electric Networks - Strunz	4	Lecture + Exercise
0430 L 605	Introduction to SPICE-based circuit simulation - 4.0 SWS - Thewes	4	Project
0430140	Stationary Energy Storage Technologies - Kowal , Marscheider	2	Lecture
0430141	Stationary Energy Storage Technologies - Kowal , Marscheider	2	Exercise
0431 L 712	Design, Simulation and Reliability of Microsystems - Lang , Curran	2	Lecture
0431 L 713	Design, Simulation and Reliability of Microsystems - Lang , Curran	2	Exercise
0431 L 812	Molecular and Nano Systems - Bock , Tetzner	2	Lecture
0432 L 135	Cloud Computing - Kao , Höger , Gulenko	4	Lecture + Exercise
0432 L 304	Leistungsbewertung von Kommunikationsnetzen/ Performance Evaluation of Communication Networks - Wolisz	4	Lecture + Exercise
0432 L 307	Project: Advanced Network Technologies - Wolisz	4	Project
0432 L 310	Modern Wireless Networks - Wolisz	2	Lecture
0432 L 312	Breitband-Netztechnologien/High Speed Network Technologies - Wolisz , Woesner	2	Lecture
0432 L 339	Kommunikation in eingebetteten Systemen/Networked Embedded Systems - Handziski	4	Lecture + Exercise
0432 L 520	Cluster Computing - Karnapke	2	Lecture
0432 L 539	Hot Topics in OS & DS - Graff , Karnapke	2	Seminar
0432 L 568	KBS-Bachelor-Projekt – Busse, Karnapke	6	Project
0432 L 567	Operating System Project and Seminar - Busse , Karnapke	9	Project
0432 L 595	Embedded Operating Systems - Karnapke	2	Lecture
0432 L 596	Parallel Programming - Sydow	4	Lecture + Exercise

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0432 L 828	<b>PGT: Project Meeting / Projektgruppentreffen (Doktorandenseminar) - Feldmann , Hohmeier-Toure</b>	2	Colloquium
0432 L 829	<b>Thesis and project talks series / Diplomandenseminar - Feldmann , Hohmeier-Toure , Foucard</b>		Instructions For Scientific Work
0432 L 754	<b>Linked Data and Semantic Web Technologies - Hauswirth , Wylot</b>	2	Seminar
0432 L 812	<b>Internet Security - Feldmann , Seifert , Foucard</b>	2	Lecture
0432 L 813	<b>Internet Measurement - Feldmann , Krenc</b>	2	Lecture
0432 L 814	<b>Internet Control Plane - Feldmann , Shukla , Foucard</b>	2	Lecture
0432 L 815	<b>Network Algorithms - Ludwig , Schmid , Ravi</b>	4	Lecture + Exercise
0432 L 822	<b>Network Architectures: Internet Routing - Feldmann , Foucard</b>	2	Seminar
0432 L 615	<b>Wireless Communication Systems - Konhäuser , Caire</b>	2	Lecture
0432 L 832	<b>RouterLab - Feldmann , Tiesel , Suresh Puthalath , Shukla</b>	6	Practical Course
0432 L 993	<b>Research Project in network technologies - Wolisz</b>	6	Project
0432 L 992	<b>Content Delivery Techniques - Bayhan Yusufoglu</b>	2	Lecture + Exercise
0432 L 999	<b>Network Technologies: Traffic in wireless Networks - Wolisz , Zubow</b>	2	Seminar
0433 L 112	<b>Microwave and Radar Remote Sensing - Reigber</b>	2	Lecture
0433 L 113	<b>Microwave and Radar Remote Sensing - Reigber</b>	2	Exercise
0433 L 130	<b>Automatic Image Analysis - Hänsch</b>	2	Lecture
0433 L 131	<b>Automatic Image Analysis - Hänsch</b>	2	Exercise
0433 L 160	<b>Hot Topics in Computer Vision (A) - "Scientific Process in Computer Vision: From Ideas to Publications" - Hellwich</b>	6	Project
0433 L 231	<b>Applied Embedded Systems Project (AEP) - Juurlink , Elhossini</b>	4	Project
0433 L 416	<b>Advanced Computer Architectures - Juurlink</b>	4	Lecture + Seminar
0433 L 419	<b>Computational Biology: Seminar - Brock , Mabrouk , Stahl</b>	2	Seminar
0433 L 613	<b>Integrated Analog Circuits (CMOS) - Gerfers</b>	2	Lecture
0433 L 709	<b>Internet of Services Lab - Grunert , Küpper , Göndör , Deva</b>	6	Project
0433 L162	<b>Hot Topics in Computer Vision - "Recent Advances in 3D Computer Vision" - Nurutdinova</b>	2	Seminar
0434 L 171	<b>Analysis and Optimization of Embedded Systems - Glesner , Klös</b>	2	Lecture
0434 L 171	<b>Analysis and Optimization of Embedded Systems - Glesner , Klös</b>	2	Exercise
0434 L 230	<b>Research Colloquium on Algorithms and Complexity - Niedermeier , Thielcke</b>	2	Seminar
0434 L 233	<b>Computational Complexity - Niedermeier , Nichterlein , Thielcke</b>	6	Lecture + Exercise
0434 L 234	<b>Algorithmic Research in Teams - Niedermeier , Nichterlein , Froese , Thielcke , Molter , Bentert</b>	6	Project
0434 L 360	<b>Writing and Publishing a Scientific Paper - Nestmann , Rickmann</b>	6	Project
0434 L 460	<b>INFMOD II: Advanced Information Modeling - Kutsche</b>	2	Exercise
0434 L 472	<b>AIM 3 Advanced Information Management III – Scalable Data Science: Systems and Methods - Markl , Boden , Schelter , Soto</b>	4	Lecture + Exercise
0434 L 476	<b>IMSEM - Hot Topics in Information Management - Markl , Dudoladov , Derakhshan , Gevay , Del Monte</b>	2	Seminar
0434 L 477	<b>BDASEM: Seminar Big Data Analytics - Markl , Derakhshan , Gevay , Karimov</b>	2	Seminar
0434 L 483	<b>IMPRO: Hot Topics in Information Management - Markl , Hensen , Charfuelan Oliva</b>	4	Project

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0434 L 484	BDAPRO Big Data Analytics Project - Markl , Alexandrov , Traub , Derakhshan , Gevay	4	Project
0434 L 503	Maschinelles Lernen - Theorie und Anwendung - Müller , Montavon	4	Lecture + Exercise
0434 L 502	Kognitive Algorithmen - Müller , Brandl	2	Lecture + Exercise
0434 L 543	Python Programming for Machine Learning - Müller , Montavon	2	Courses
0434 L 550	Praktikum Maschinelles Lernen und Datenanalyse - Müller , Brockherde	6	Project
0434 L 560	Hot Topics in Machine Learning - Müller , Kindermans	2	Seminar
0434 L 562	Anwendungen Kognitiver Algorithmen - Müller , Brandl	2	Seminar
0434 L 581	Diplomanden/Doktorandenseminar Maschinelles Lernen - Müller , Brockherde	2	Seminar
0434 L 582	Machine Learning and Data Management - Müller , Markl , Nakajima	2	Seminar
0434 L 864	Projekt Neuronale Informationsverarbeitung - Obermayer	6	Project
0434 L 867	Machine Intelligence II - Obermayer , Augustin	2	Lecture
0434 L 868	Aktuelle Fragen des Konnektionismus - Obermayer	2	Colloquium
0434 L 879	Programming Course and Project - Martin	2	Project
0434 L 876	Acquisition and Analysis of Neural Data Lecture -Blankertz , Kempter	2	Lecture
0434 L 880	Lecture Series Sensory Computation in Neural Systems - Obermayer , Martin	2	Lecture
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 880/1	Models of Higher Brain Function - Cognitive Neuroscience Lecture - Haynes	2	Lecture
0434 L 880/2	Models of Higher Brain Function - Theoretical Lecture - Sprekeler	2	Lecture
0434 L 908	Forschungskolloquium Quality & Usability - Möller , Halbrügge	2	Colloquium
0434 L 913	Advanced Topics in Computer Vision - Swaminathan	2	Lecture
0434 L 903	Computer-supported Interaction - Ketabdar	2	Lecture + Exercise
0434 L 904	Communication Acoustics - Möller	4	Lecture + Exercise
0434 L 908	Forschungskolloquium Quality & Usability - Möller , Halbrügge	2	Colloquium
0434 L 912	Affective Computing - Voigt-Antons	2	Seminar
0434 L 914	Neuro-Usability - Voigt-Antons	2	Course (Project)
0434 L 917	Multimodal Interaction - Möller , Raake , Weiss	4	Lecture + Exercise
0434 L 952	PhD and Student Seminar - Seifert	2	Instructions For Scientific Work
0434 L 955	Computer Security - PJ- Seifert	6	Project
0434 L 956	Computer Security Seminar - Seifert , Nordholz , Ganji	2	Seminar
0434 L 972	Security Lab - Seifert , Nordholz , Vetter	4	Project
0434 L 982	Software Security - Seifert , Nordholz , Shastry	2	Lecture
0434 L 984	Quantum Computing - Seifert , Nordholz	2	Lecture
0434 L 240	Computational Social Choice - Niedermeier , Thielcke , Brill	4	Lecture + Exercise
0434L 460	INFMOD II: Advanced Information Modeling - Kutsche	2	Lecture
0434L7294	Current Topics in Computational Neuroscience - Sprekeler	2	Seminar
0435 L 337	Cloud Prototyping	8	Project
0435 L 389	Hot Topics in Information Systems Engineering - Tai	2	Seminar
0435 L 759	Künstliche Intelligenz in RoboCup - Albayrak , Berger	4	Project
0435 L 769	Communication Network Security - Bsufka	4	Project

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0435 L 781	<b>Autonomous Security</b> - Bsufka , Behnam Sani	2	Seminar
0435 L 795	<b>Application System Project</b> - Fricke , Heßler , Trollmann , Lehmann , Hrabia	8	Project
3433 L 5701	<b>Mobile Services</b> - Grunert , Rodriguez Garzon , Küpper	4	Lecture + Exercise
34331600 L 001	<b>Network Information Theory</b> - Schaefer	2	Lecture
34331600 L 003	<b>Modern Channel Coding</b> - Caire	2	Lecture
34331600 L 004	<b>Cross-Layer Optimization and Resource Allocation in Wireless</b> - Stanczak , Caire	2	Lecture
34331600 L 005	<b>Wireless Digital Communications Lab II</b> - Kortke , Caire	2	Project
34331600 L 006	<b>MIMO Systems and Adaptive Transmission</b> - Jungnickel , Caire	2	Lecture
34331600 L009	<b>Sparse Signal Processing, Applications and Algorithms</b> - Jung , Haghghatshoar	2	Seminar
3435 L 714	<b>Current Topics in Brain-Computer Interfacing</b> - Blankertz , Miklody	2	Seminar
3435 L 503	<b>Acquisition and Analysis of Neural Data</b> - Blankertz , Schultze-Kraft	4	Lecture + Exercise
3435 L 504	<b>Projekt: Brain-Computer Interfacing</b> - Blankertz , Miklody	6	Project
3435 L 505	<b>Brain-Computer Interfacing - from neurons to data</b> - Blankertz , Miklody	2	Project
3435 L 510	<b>Doktorandenseminar des Fachgebietes Neurotechnologie</b> - Blankertz	2	Seminar
3435 L 712	<b>Probabilistic and Bayesian Modelling in Machine Learning and Artificial Intelligence</b> - Lippke , Opper , Thiel	4	Lecture + Exercise
3435 L 719	<b>Monte Carlo Methods in Artificial Intelligence and Machine Learning</b> - Lippke , Opper , Thiel	2	Exercise
3435 L 721	<b>Monte Carlo Methods in Artificial Intelligence and Machine Learning</b> - Lippke , Opper , Thiel	2	Seminar
3435 L 9218	<b>Information Systems Heroes</b> - Abedjan , Mahdavi Lahijani	2	Seminar
3435 L 9219	<b>Advanced Topics in Data Integration - Spezialisierte Themen der Datenintegration</b> - Abedjan	2	Seminar
4523 L 08957	<b>The 800-pound Gorilla in the corner: Data Integration</b> - Abedjan	4	Lecture + Exercise



## FACULTY V: MECHANICAL ENGINEERING AND TRANSPORT SYSTEMS

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	<b>Holografic Academie - Traupe</b>		Presentation
	<b>Indentation Testing of Biological Tissues</b>		Lecture
	<b>Quality Management GPE</b>		Lecture
	<b>Quality Management Lecture - Global Production Engineering</b>		Lecture
0530 L 164	<b>Hands-on project to finite element analysis - Müller , Lofink , Glane</b>	4	Lecture + Exercise
0532 L 069	<b>Seminar Mensch-Maschine-Systeme - Rötting , Freytag</b>	2	Seminar
0533 L 013	<b>Multiagenten-Simulationen von Verkehr (Multi agent transport simulation) - Nagel , Bischoff</b>	4	Lecture + Exercise
0533 L 222	<b>Operation of Main Line Railway Services - Emde</b>	2	Lecture
0533 L 223	<b>Operation of Main Line Railway Services - Emde</b>	2	Exercise
0535 L 138	<b>Systematic Product Development II - Gries</b>	2	Lecture
0536 L 322	<b>Global Production Engineering / Quality Management II - Jochem</b>	2	Lecture
3532 L 009	<b>Forschungsseminar: Decision Making in Real-Word Settings - Rußwinkel , Prezenski</b>	2	Seminar
3536 L 202	<b>Fabrikbetrieb - Kohl , Muschard</b>	2	Lecture
3536 L 240	<b>Simulation von Produktionssystemen I - Krüger , Schumacher , Aydemir</b>	2	Exercise

## FACULTY VI: PLANNING, CONSTRUCTION AND ENVIRONMENT

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	<b>FT II: Vortrag Wakefield</b>		Presentation
	<b>Gast-Vortrag/Präsentation Dr. Pudasaini</b>		Presentation
	<b>International Engineering Summer School</b>		Seminar
	<b>Urban Design Lecture Series - Agudelo Ganem</b>	2	Lecture
	<b>Urbanization and Global Environmental Change</b>	2	Lecture
	<b>Water Supply and Water Sanitation II</b>		Lecture
	<b>Water Supply and Water Sanitation II</b>		Seminar
	<b>Watershed management - Integrated Water Resources Management - Kleinschmit</b>		Lecture
06311900 L 41	<b>Modeling Hydro- and Environmental Systems - Hinkelmann , Özgen</b>	2	Lecture
06311900 L 42	<b>Modeling Hydro- and Environmental Systems - Hinkelmann , Özgen</b>	2	Exercise
06311900 L 43	<b>Specific Topics of Hydro- and Environmental Engineering - Hinkelmann , Özgen , Matta</b>	1	Lecture
06311900 L 44	<b>Specific Topics of Hydro- and Environmental Engineering - Hinkelmann , Özgen</b>	1	Project
06311900 L 53	<b>Ecohydraulics of Shallow Flows - Hinkelmann , Simons , Sukhodolov</b>	3	Lecture + Exercise
06311900 L 61	<b>Selected Topics on Hydro- and Environmental Numerical Simulation - Hinkelmann</b>	1	Seminar
0632 L 089	<b>Surface wave based seismic techniques - Parolai</b>	1	Lecture
06341300 L 24	<b>The Urban Atmosphere I - Scherer</b>	2	Lecture + Exercise
06341300 L 25	<b>The Urban Atmosphere II - Otto</b>	2	Lecture + Exercise
06342100 L4	<b>Excursion Applied Urban Hydrology I - Paton</b>	2	Exercise
06342100 L8	<b>Excursion Applied Urban Hydrology - Paton</b>	2	Excursion
06351100 L 99	<b>Entwicklungspolitik - Fahrenheit</b>	2	Lecture series
06351700 L 20	<b>Interdisciplinary Theory and Practice - Giseke</b>	2	Lecture
06354100 L 01	<b>Geoinformation Systems (Geoinformationssysteme) - MA UPP4 - Kleinschmit , Förster</b>	4	Lecture + Exercise
06361300 L22	<b>Auftrags-Projekt Master (M3): PRODUCTIVE CITIES _ GREEN URBANITIES? / PRODUKTIVE STADT – GRÜNE URBANITÄT? - Brück , Bluhm</b>	8	Project
06361300 L40	<b>Interdisciplinary Theory and Practice - Giseke , Million , Bluhm</b>	2	Lecture
06361400 L02	<b>Projektseminar Bachelor-Projekt (B2/4): FACING URBAN CONFLICTS: A CHANCE FOR EXPERIMENTATION? - Höffken , Bluhm</b>	8	Project
06361400 L27	<b>Planning as Political Process, 2 (M4) - Gualini , Bluhm</b>	2	Seminar
06361900 L50	<b>Städtische Räume im Transformationsprozess (B15.31a/M12) - Hillmann</b>	2	Seminar
06371400 L 01	<b>Urban Design Methods and Tools - Löw</b>	4	Seminar
06381500 L 02	<b>Sondergebiete der intern. Urbanistik I - Berger , Misselwitz</b>	4	Seminar
06381500 L 07	<b>Wahlfach MOVE - Berger , Misselwitz</b>	4	Seminar
06382400 L 30	<b>Lehrforschungsprojekt (Arch_M_E.05) - Nickl-Weller , Valera Sosa</b>	8	Design Project

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
06383000 L 04	Arch_M_E.03 Entwurfsprojekt 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
06383100 L 22	Conscious City WerkStatt: Berlin - Malaysia Arch. Urban Design Biennale 100 years from now (Arch_M_E.03 + UD PJ 1-3) - Lüttke , Bunschoten	8	Design Project
06383100 L 23	Conscious City WerkStatt: Berlin - Malaysia Arch. Urban Design Biennale 100 years from now (Arch_M_E.04 + UD PJ 1-3) - Lüttke , Bunschoten	8	Design Project
06383000 L 98	Contemporary Urban Research - Behne , Hehl	2	Seminar
06383100 L 25	Material Intelligence XS-XL (Arch_M_E.07) - Lüttke , Bunschoten	6	Lecture + Exercise
06383100 L 26	Conscious City Lab: A curatorial Planning Tool (Arch M E.05 + UD PJ 1-3) - Lüttke , Bunschoten	8	Design Project
3633 L 217	Physical Geodesy - Flechtner	2	Lecture + Exercise
3633 L 218 IV	Geodetic Methods in Planetary Research - Oberst	2	Lecture + Exercise
3633 L 219	Mathematical Geodesy - Petrovic , Schuh	2	Lecture + Exercise
3633 L 220	Selected sections of navigation and positioning - Galas , Wickert	4	Lecture + Exercise
3633 L 222	Planetary and Space Science Seminar - Galas , Oberst , Schuh , Flechtner , Wickert	2	Seminar
3633 L 223	Selected Sections of Adjustment Calculation - Neitzel	2	Lecture
3633 L 224	Selected Sections of Adjustment Calculation - Neitzel , Weisbrich	2	Exercise
3633 L 225	Methods of Engineer Geodesy and Industrial Measuring Technique - Neitzel , Weisbrich	3	Lecture + Exercise
3633 L 226	Geodetic Sensors - Neitzel , Weisbrich	2	Lecture + Exercise
3633 L 227	Engineering Geodesy Seminar - Neitzel , Weisbrich	2	Seminar
3633 L 9074	Geoinformatics 2 - Kada , Jarzabek-Rychard	2	Lecture + Exercise
3633 L 9075	Geographical Information Systems 1 - Kada , Karut	3	Lecture + Exercise
3633 L 9077	Advanced Methods for Geospatial Analysis - Schmidt , Kada , Jarzabek-Rychard	4	Lecture + Exercise
3633 L 9079	Semantic 3D/4D City Models - Kada , Wichmann	6	Lecture + Exercise
3633 L 9081	Geovisualization - Kada , Jarzabek-Rychard	4	Lecture + Exercise
3633 L 9082	Seminar Geoinformatics - Kada	2	Seminar
3633 L 9084	Geographical Information Systems 3 - Kada , Karut	4	Lecture + Exercise
3635 L33	Project Environmental Planning: Practice and applied research - Köppel , Geißler	8	Project
61041	Data Engineering	4	Lecture + Exercise
61064	Landscape Governance and Politics - Heiland	2	Courses
61089	Agile Systems Engineering	4	Lecture + Exercise

## FACULTY VII: ECONOMICS AND MANAGEMENT

<i>course number</i>	<i>course title - lecturer</i>	<i>SWS</i>	<i>course type</i>
	Eco-Prototyping - 4.0 SWS	4	Lecture + Exercise
	I&E Thesis - Kratzer	4	Advanced Seminar
	Ideation - Kratzer	2	Lecture + Exercise
	Module 5 EM - Müller-Kirchenbauer		Lecture
	Research Seminar on Environment and Climate Economics - Haring, Runkel		Seminar
0830 L 045	Advanced Efficiency and Productivity Analysis (EA II) - Hirschhausen	4	Lecture + Exercise
0830 L 155	Monetary Macroeconomics and Central Banking - Heinemann, Bindseil, Ahrens	2	Lecture + Exercise
0830 L 432	Research Seminar on Environment, Resource and Climate Economics (RSERC) - von Hirschhausen	3	Seminar
0830 L 686	Doktoranden und Forschungskolloquium - Kübler, Ivanova-Stenzel	2	Colloquium
0830 L 696	BBE - Kübler, Ivanova-Stenzel	2	Seminar
0830 L 749	Doktoranden-Colloquium - Runkel	2	Colloquium
0831 L 675	Praxisseminar - Case Studies in Accounting & Controlling - Mehr, Lachmann, Faust, Roth	4	Advanced Seminar
0831 L 680	Kolloquium der Abschlussarbeiten - Mehr, Lachmann, Faust	2	Colloquium
0832 L 274	Strategic Standardisation - Blind	2	Lecture
0832 L 275	Strategic Standardisation - Blind, Pohlisch	2	Exercise
3831 L	Advanced Macroeconomics II - Heinemann, Ahrens	2	Lecture
3833 L 9216	Digital Innovation - Blind	2	Lecture
3833 L 9217	Digital Innovation - Böhmecke-Schwafert	2	Exercise
3833 L 9216	Digital Innovation - Blind, Zillner	2	Lecture
3833 L 9217	Digital Innovation - Böhmecke-Schwafert	2	Exercise
71 11 L 51	Advanced Microeconomics - Ivanova-Stenzel	2	Seminar
71 14 L 14	Financial Crises and Coordination - Heinemann, Ahrens, Pfeiffer	2	Lecture
71 14 L 15	Financial Crises and Coordination - Heinemann, Ahrens, Pfeiffer	2	Exercise
71 21 L 14 PhD	Treatment Effect Analysis Ph.D. Lecture - Werwatz, Haring		Lecture + Exercise
71 21 L 20	Introduction to Financial Econometrics - Werwatz, Plitzko	2	Lecture
71 53 L 10	Experimental and Behavioural Economics - Kübler, Ivanova-Stenzel	4	Lecture + Exercise
7154 L 10	Energy and Climate Policies - Neuhoff	2	Lecture
7154 L 50	Energy and Climate Policies - Neuhoff	2	Seminar
73 12 L 10	Technology Management - Hölzle, Kleer	4	Lecture
73 12 L 11	Technology Management - Hölzle, Kleer	4	Exercise
73 12 L 14	Strategic Innovation Management - Kleer	2	Lecture
73 12 L 15	Strategic Innovation Management - Pena Häufler	2	Exercise
73 14 L 16	Modul Multinational Corporations and Corporate Control - Knyphausen-Aufseß, Pidun, Schlott	2	Lecture + Exercise
73 14 L 17	Strategies for sustainability - Heitmann, Knyphausen-Aufseß		Lecture + Exercise
73 51 L 16	Innovation Policy - Blind, Große	2	Lecture
73 51 L 17	Innovation Policy - Blind, Große	2	Exercise
73 52 L 11	Venture Campus - Perner, Kratzer, Krezdorn	6	Seminar
73 52 L 12	Entrepreneurship Research - Kratzer	4	Lecture + Exercise
73 55 L 11	Medical Quality Management - Mansky	2	Lecture + Exercise

## LEGEND:

<b>Einführungsveranstaltung</b>	Introduction session
<b>Haupt-/ Proseminar</b>	advanced seminar
<b>Integrierte Lehrveranstaltung</b>	lecture + exercise
<b>Kolloquium</b>	colloquium
<b>Lehrveranstaltung</b>	course
<b>Praktikum / praktische Arbeit (Entwurfs)Projekt</b>	project / practical course (design) project
<b>Tutorium</b>	tutorial
<b>Übung (UE)</b>	exercise
<b>Vorlesung (VL)</b>	lecture
<b>Ringvorlesung</b>	lecture series
<b>Exkursion</b>	excursion
<b>Anweisung zum wissenschaftlichen Arbeiten</b>	instruction for scientific work

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