



Lectures in
English
at Leibniz Universität Hannover

Academic Year 2021/2022

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1004

Leibniz
Universität
Hannover

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Faculty of Architecture and Landscape Sciences

The Faculty of Architecture and Landscape Science offers a Master's programme in Environmental Planning with a major in Territorial Development taught in English. All seminars and workshops in Digital Methods in Architecture by the teacher in charge, V. Sardenberg, are only offered in English.

Besides, it is possible for English speaking students to participate in nearly all of the German teaching activities with a portion of practical exercises (e.g. seminars, workshops, projects, field trips). Please check this individually with the teacher. Oral assessments or final presentations can be taken in English on demand. Additionally, courses from the Master's programme in Architecture and Urban Planning like digital and creative courses (arts, painting, photography) and excursions of all study programmes are available in German and English language as well. Students can choose modules in English also at the Faculty of Civil Engineering and Geodetic Science from the study programme Water Resources and Environmental Management (limited number of places).

For detailed information about English lectures for Territorial Development, Landscape Architecture, and Environmental Planning, please contact Dr. Frank Scholles (scholles@umwelt.uni-hannover.de) or Kirsten Aleth for Architecture and Urban Planning (international@archland.uni-hannover.de).

Architecture and Urban Planning

Winter Term 2021/22

Title/Module Architecture and Urban Planning	Type	Lecturer/Persons in charge	ECTS
Bachelor Project Urban Design	Project	Quednau/Schröder/Rieniets	9
Comprehensive Project (4 th year of study recommended) in History and Theory of Architecture	Project	Buchert/Jager	12
Comprehensive Project in Digital and Material	Project	Becker/Nolte	12
Comprehensive Project Design and Building Construction	Project	Furche	12
Comprehensive Project in Architectural Design	Project	Kums/Turkali/Till/Kempe	12
Comprehensive Project in Urban Design and Planning	Project	Schröder/Quednau/Rieniets	12
Regional Building and Urban Planning	Short Project	Schröder	5
Digital Fabrication: Robots in Architecture	Seminar	Becker/Sardenberg	5
Architecture in Augmented Reality and Virtual Reality	Seminar	Peters	5
Design Research Digital Methods	Short Project	Becker	5
Digital Typologies	Seminar	Becker/Sardenberg	5
Creative Coding Constructs	Seminar	Becker	5
Architectural Data Visualisation: Count, Measure, Display	Seminar	Sardenberg	5
Universal Joints: 3D printed bar and plate connectors	Seminar	Becker	5
Video and Motion Graphics	Seminar	Aschmutat	5

Summer Term 2022

Title/Module Architecture and Urban Planning	Type	Lecturer/Persons in charge	ECTS
Bachelor Project Urban Design	Project	Quednau/Schröder/Rieniets	9
Comprehensive Project (4 th year of study recommended) in History and Theory of Architecture	Project	Buchert/Jager	12
Comprehensive Project in Digital and Material	Project	Becker/Nolte	12

Comprehensive Project Design and Building Construction	Project	Furche	12
Comprehensive Project in Architectural Design	Project	Kums/Turkali/Till/Kempe	12
Comprehensive Project in Urban Design and Planning	Project	Schröder/Quednau/Riniets	12
Regional Building and Urban Planning	Short Project	Schröder	5
Digital Fabrication: Robots in Architecture	Seminar	Becker/Sardenberg	5
Architecture in Augmented Reality and Virtual Reality	Seminar	Peters	5
Architectural Data Visualisation: Count, Measure, Display	Seminar	Sardenberg	5
Video and Motion Graphics	Seminar	Aschmutat	5

Environmental Planning, Landscape Architecture and Territorial Development

Winter Term 2021/22

Title/Module Environmental Planning and Territorial Development M.Sc., Landscape Architecture M.Sc.	Type	Lecturer/Persons in charge	ECTS
Emergent Topics in Landscape Architecture	Seminar	Werthmann/Schäfer	5
Nature Conservation and Environmental Economy	Seminar	Matzdorf	5
Master Project I Nature Conservation	Project	Von Haaren/ Gapinski/Vollhey	15
Master Project I Territorial Development	Project	Scholles/Mehnen	15
Master Project I Landscape Architecture	Project	N.N.	15
Urban and Regional Development	Lecture/Seminar	Danielzyk/Mehnen	5
Quantitative Planning Methods	Seminar	Bernhardt	5
Planning Theory	Seminar	N.N.	5
Hydrology and Water Resource Management	Seminar	Haberlandt	5
Water Resources Systems Analysis	Seminar	Dietrich	5
Current Issues in Territorial Development	Seminar	Adam-Hernandez/Lamberg	5
Environmental Planning	Lecture	Warren-Kretzschmar et al.	2,5

Summer Term 2022

Title/Module Environmental Planning and Territorial Development M.Sc., Landscape Architecture M.Sc.	Type	Lecturer/Persons in charge	ECTS
Implementation in Environmental Planning	Lecture	Von Haaren/Herrmann	5
Master's Project II Territorial Development	Project	Mehnen	15
Master's Project II Landscape Planning	Project	Warren/Kretzschmar	15
Master's Project II Landscape Architecture	Project	Prominski/Kreis	15
Computer Science in Planning	Lecture/Practical Work	Weller/Korus	5
Current Issues in Territorial Development	Seminar	Moss	5
European Union Regional Policies	Seminar	Sielker/Snieg	5
Land Tenure and Rural Development	Seminar	Voß	5

Faculty of Civil Engineering and Geodetic Science

Geodesy and Geoinformatics

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Advanced Concepts for Positioning and Navigation	Lecture/Exercise	Schön	5
Photogrammetric Computer Vision	Lecture/Exercise	Heipke	5
Internet GIS	Lecture/Exercise	Sester	5
Radar Remote Sensing	Lecture/Exercise	Motagh	5
Image Analysis II	Lecture/Exercise	Rottensteiner	5
Laser Scanning - Modelling and Interpretation	Lecture/Exercise	Brenner	5
SLAM and Path Planning	Lecture/Exercise	Brenner	5
Leadership skills for Engineers	Lecture	Mayr	2
Operational Remote Sensing	Lecture/Exercise	Storch	3
Geodetic Astronomy	Lecture/Exercise	Flury	3
Real Estate Economics III	Seminar	Voß	2
Analysis of Deformation Measurements	Lecture/Exercise	Neumann	3
Monitoring Spatiotemporal and Network Data	Lecture/Exercise	Otto, Philipp	5
Statistic Modelling in Data Science	Lecture/Exercise	Otto	5

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Kinematic Measurement Processes in Engineering Geodesy	Lecture/ Exercise +Practical work	Vogel	5
Methods and Application of Physical Geodesy	Lecture/Exercise	Flury	5
Land Management and Real Estate Economics II	Lecture/Exercise	Voß	5
Industrial Surveying	Lecture/Exercise	Neumann	5
Recursive State Estimation for Dynamic Systems	Lecture/Exercise	Neumann	5
Selected Topics of Geodetic Data Analysis	Lecture/Exercise	Alkhatib	5
Orbit Calculation and Relativistic Modelling in Geodesy	Lecture/Exercise	Müller	5
Approximation Methods and Numerical Techniques	Lecture/Exercise	Flury	5
Image Analysis I	Lecture/Exercise	Rottensteiner	5
Optical 3D-Measurement	Lecture/Exercise	Wiggenhagen	5
Big Geospatial Data	Lecture/Exercise	Otto	5
GIS-Applications and New Research Directions	Lecture/Exercise	Sester	5
Land Tenure, Land Policy and Rural Development	Lecture/Exercise	Voß	5
Business Administration for Engineers	Lecture	Claussen	2
Mathematical Aspects of Computer Vision	Lecture/Exercise	Heipke/Bulatov	3

Faculty of Economics and Management

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Capital Market Theory II: Derivatives	Lecture/Exercise	Prokopczuk/Kowalke	5
Service Management (Dienstleistungsmanagement)	Lecture/ Exercise	Walsh	5
Innovation and Learning (Innovation und Lernen)	Lecture	Piening	5
International Competitiveness	Lecture	Grote/Blake-Rath/Seewald	5
Programming for Finance	Lecture	Prokopczuk/Klößner	5
Seminar Development and Environmental Economics	Seminar	Grote/Waibel	5
Seminar Empirical Research in Finance (Seminar Kapitalmarktforschung)	Seminar	Dierkes/Budras	5
Labour Economics (Arbeitsökonomik)	Lecture	Puhani/Moghadam/Pikos	5
Game Theory	Lecture	Hoppe-Wewetzer/Siemering	5
Seminar: Recent Issues in Macroeconomics (Seminar: Aktuelle Fragen der Makroökonomik)	Seminar	Gassebner	5
Seminar: New Challenges in Monetary Policy and Finance	Seminar	Dräger/Eiblmeier	5
Data Analytics	Lecture	Schnitzlein/Braschke/ Kiss/Straub	5
Controlling and Value Generation Chain	Lecture	Claassen	5
International Accounting	Lecture/Exercise	Wielenberg/Lilge/Schulte	5
Advanced Asset Pricing	Lecture/Exercise	Prokopczuk/Voigts	5
Advanced Econometrics	Lecture	Sibbertsen/Mboya	5
Advanced Macroeconomics	Lecture/Exercise	Gnutzmann-Mkrтчyan	5
Energy Economics	Lecture/Exercise	Grote/Gronau/Nguyen	5
Environmental Economics	Lecture/Exercise	Grote/Bierkamp/Deißler/Seegers	5
Monetary Theory and Policy	Lecture/Exercise	Dräger/Nghiem	5
Topics in Dynamic Optimization (Themen in dynamischer Optimierung)	Lecture	Hoppe-Wewetzer/Katsenos	5
Working with Survey Data	Lecture	Waibel/Brooks	5
Seminar Applied Economics	Seminar	Schröder/Stoczek	5
Advanced Statistics	Lecture	Sibbertsen	5
Advanced Time Series Analysis	Lecture	Sibbertsen/Kolaiti	5
Empirical Development Economics	Lecture/Exercise	Gassebner/Haux	5
Financial Econometrics	Lecture	Sibbertsen/Less	5
Seminar Empirical Research	Seminar	Gassebner	5
Behavioral Finance	Lecture/Exercise	Dierkes/Sckade	5
Computational Finance	Lecture/Term Paper	Breitner	5
Financial Systems and Regulation	Lecture/Exercise	Dräger/Eiblmeier	5
Hedge Funds: Trading Strategies and Performance Evaluation	Lecture/Term Paper	Dierkes/Schrön	5
Insurance Risk Management	Lecture/Exercise	Schneider/Decke/Eden	5
Research in Finance	Lecture/Term Paper	Prokopczuk/Lauter	5
Seminar Banking and Finance	Seminar	Dierkes/Schrön	5
Seminar Empirical Monetary Macroeconomics	Seminar	Dräger/Nghiem	5

Seminar Insurance Customer Behavior	Seminar	Schneider/Decke	5
Theory of Health Economics	Lecture/Exercise	Herr/Probst	5
Colloquium Health and Population (Kolloquium Gesundheit und Bevölkerung)	Colloquium/Term Paper	Herr	5
Information Systems	Lecture/Tutorial	Breitner/ Brauner/Eckhoff	5
Operations Research	Lecture/Exercise	Helber/Bugow	5
Enterprise Architecture Management and Enterprise Digitalization (Enterprise Architecture Management und Unternehmensdigitalisierung)	Lecture	Breitner/Ziemann	5
Manufacturing Systems Modeling and Analysis	Lecture/Exercise	Helber	5
Optimization Modeling with GAMS	Lecture/Exercise/Term Paper	Helber/Broihan/Südbeck	5
Data Collection	Lecture	Waibel/Seegers/Seewald/Wendt	5
Impact Evaluation	Block Course/ Lecture/Term Paper	Steiner	5
International Business Relations	Lecture	Grote/Waibel	5
Micro- and Macroeconomic Simulation Modeling	Lecture	Grote/Gronau/Nöldeke/Ruesink	5
Project Planning and Evaluation	Lecture	Waibel/Weyori	5
International Seminar in Economic Geography	Seminar	Sternberg	5
Seminar Asian Economies	Seminar	Waibel/Grote	5
Qualitative Management Research 1	Lecture	Piening/Belte	5
Qualitative Management Research 2	Lecture	Weber/N. Weber	5
Quantitative Management Methods 2	Lecture	Wiedmann/Labenz	5
Advanced Marketing Management	Lecture/Exercise	Walsh	5
B2B Marketing	Lecture/Exercise/Term Paper	Wiedmann/Mettenheim	5
International Strategic Marketing	Lecture/Exercise/Term Paper	Wiedmann	5
Colloquium Conducting Marketing Research (Kolloquium Conducting Marketing Research)	Colloquium/Term Paper	Walsh	5
Nonprofit and Public Management: Human Resource Management	Lecture/Term Paper	Piening/Bruns	5
Principles of Entrepreneurship	Lecture	Foege	5
Qualitative Innovation Research	Lecture/Block Course Term Paper	Foege	5
Organization and Human Resource Management Theories (Theorien der Organisations- und Personalforschung)	Lecture	Piening	5
Masterseminar Organisation	Seminar	Weber/Haaker/Triebel	5
Seminar Team Management (Seminar Teammanagement)	Seminar	Piening/Zentgraf	5
Seminar: Innovation Management	Seminar	Foege	5
Seminar: Work and Employment Studies	Seminar	Haunschild	5

Summer Term 2022

Not planned yet

More information:

<https://www.wiwi.uni-hannover.de/index.php?id=1267>

<https://www.wiwi.uni-hannover.de/de/studium/im-studium/international/incomings/kursangebot/> (for possible changes in the course offer)

Faculty of Electrical Engineering and Computer Science

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Application-Specific Instruction-Set Processors	Lecture	Blume/Cholewa	5
Artificial Intelligence II	Lecture	Nejdl	5
Audio and Speech Signal Processing	Lecture	Nogueira-Vazquez	5
AutoML Lab	Project	Lindauer	6
Combustion Technology	Lecture	Dinkelacker	5
Continuum Mechanics I	Lecture	Aldakheel	5
Data- and Learning-Based Control	Lecture	Lopez Mejia/Lilge/ Müller	5
Efficient Algorithms	Lecture	Meier	5
Electric Power Systems I	Lecture	Hofmann/Leveringhaus	5
Electrical Energy Storage	Lecture	Bensmann/Bensmann	5
Electrical Machines and Drives	Lecture	Ponick/N.N	5
Electrical Machines for eAutomotive Traction Applications	Lecture	Dotz	3
Electrical Machines for eAutomotive Traction Applications with Journal Club	Lecture	Dotz	5
Finite Elements I	Lecture	Soleimani	5
Image Analysis II	Lecture	Rottensteiner	5
Interpretable Machine Learning	Lecture	Anand, Lindauer	5
Laserscanning - Modellierung und Interpretation	Lecture	Brenner	5
Machine Learning for Graphs	Lecture	Funke, Khosla	5
Multi-Agent Interactions and Games	Lecture	Kudenko	3
Natural Language Processing	Lecture	Ganguly	5
Nonlinear Control	Lecture	Müller	5
Power Electronics	Lecture	Friebe	5
Reinforcement Learning	Lecture	Lindauer	5
SLAM (Simultaneous Localization and Mapping) and Path Planning	Lecture	Brenner	5
Seminar: Advanced Topics in Database Systems	Seminar	Abedjan	3
Seminar: Automated Machine Learning	Seminar	Lindauer	3
Seminar: Data Science & Digital Libraries	Seminar	Stocker	3
Seminar: Personalization in Technology Enhances Learning (TEL) Enviroments	Seminar	Kismihók	3

(for details, please see our module catalogue: <https://modkat.dbs.uni-hannover.de/modkat/lvk/>)

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
3D-Audio - Fundamentals of spatial audio reproduction systems	Lecture	Nogueira-Vazquez	5
Artificial Intelligence I	Lecture	Nejdl	5
Automated Machine Learning	Lecture	Lindauer	5
Continuum Mechanics II	Lecture	Aldakheel	5
Deep Learning	Lecture	Anand	5
Digital Image Processing	Lecture	Ostermann	5
Image Analysis I	Lecture	Rottensteiner	5

Journal Club: Electrical Drives	Journal Club	Ponick	2
Knowledge Engineering und Semantic Web	Lecture	Auer, Vidal	5
Life Cycle Engineering	Lecture	Hanke-Rauschenbach/Minke	5
Model Predictive Control	Lecture	Müller	5
Optical 3D Measurement	Lecture	Wiggenhagen	5
ASIPLab: Design of Application-Specific Instruction-Set Processors	Project	Blume	6
Proseminar Data Science and Digital Libraries	Seminar	Stocker, Auer	3
Reliability and Risk Analysis	Lecture	Beer	5
Seminar: Advanced Topics in Database Systems	Seminar	Abedjan	3
Seminar: Automated Machine Learning	Seminar	Lindauer	3
Seminar: Social Responsibility in Machine Learning	Seminar	Lindauer	3
The 800-pound Gorilla in the corner: Data Integration	Lecture	Abedjan	5

(still in planning, please see module catalogue: <https://modkat.dbs.uni-hannover.de/modkat/lvk/>)

Faculty of Humanities

English Department

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Introduction to Literary Studies	Seminar	Neumann, Brinker, Gohrisch	5
Literary Theory Now	Seminar	Mayer, Brasch	5
Photography and Narrative	Seminar	Mayer	5
Contemporary British Drama	Seminar	Neumann	5
Christmas in America: History, Ideology and Popular Culture	Seminar	Loock	5
Restoration Theatre – Culture of Display and Disguise	Seminar	Ippendorf	5
Practicing Literary Criticism: British Literatures and Cultures	Seminar	Pardey	5
Survey of North American Literature and Culture	Seminar	Mayer	5
Crime and Conspiracy Fictions	Seminar	Brinker	5
Greening the Library: Ecocritical Approaches to Literature and Film	Seminar	Pardey	5
Theories and Methods of Literary Studies	Seminar	Gohrisch	5
South Africa: History, Culture, Literature	Seminar	Gohrisch	5
Beginning Film Analysis: Superhero Blockbusters	Seminar	Brinker	5
British and Postcolonial Studies	Seminar	Gohrisch	5
Weak Theories	Seminar	Oldehus	5
Coloniality and the 'Bildungsroman' in the US and Canada	Seminar	Fagan	5
Post-World-War II American Science Fiction in Literature, Film and Television	Seminar	Brinker	5
Reading Judith Butler's Gender Troubles	Seminar	Fagan	5
Short Stories	Seminar	Oldehus	5
Independent Studies: Citation as Practice	Seminar	Nguyen	5
The 1619 Project (and Beyond)	Seminar	Brasch	5
Videographic Criticism	Seminar (intensive course)	Loock	5
Introduction to Linguistics I	Lecture	Paland, Jalanesch	5
Introduction to Linguistics II	Lecture	Troitzschel	5
Historical Linguistics	Seminar	Paland	5
Comparing English and German: types, differences and similarities	Seminar	Czicza	5
English Dialectology	Seminar	Altendorf	5
Phonetics and Phonology for Bachelor Students	Seminar	Altendorf	5
Phonetics and Phonology for Master students	Seminar	Altendorf	5
Linguistic Landscapes	Seminar	Schulze	5
Language and Gender	Seminar	Paland	5
Advanced Corpus Linguistics and Discourse Analysis	Seminar (intensive course)	Hohaus	5
Introduction to Teaching English as a Foreign Language	Seminar	Woltin, Blell	5
Blending Learning in the EFL Classroom	Seminar	Woltin	5
Teaching Global Issues with Documentaries	Seminar	Blell	5
Racism must not be tolerated: Challenges to Teaching Diversity	Seminar	Blell	5

Classroom Analysis – engaging methods and means	Seminar	Traumann	5
Explanatory Videos in the EFL Classroom	Seminar	Woltin	5
Differentiated Instruction	Seminar	Blell	5
Vocabulary and Pronunciation	Exercise	Gans, Wright	5
Composition	Exercise	Schneller, Wright	5
Diversity	Exercise	Gans, Schneller, Wright	5
Digitalisation in the Classroom	Exercise	Gans, Schneller, Wright	5
Investigating Song Texts	Exercise (Intensive course)	Gans	5
English Theatre Workshop	Workshop	Bennett	5

Summer Term 2022

Not planned yet

History

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Afrocubanismo and Transatlantic Exchange in the 1920s – 1950s	Seminar	Vanessa Ohlraun	8
Republican Cuba from 1902 – 1959	Seminar	Vanessa Ohlraun	8

Summer Term 2022

Not planned yet

Sports Science

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Assessment of Human Motion	Seminar	Hwang, Tonghun	4
Graphomotorik & Experiments with Sensors (German/English)	Project	Hwang, Tonghun / Mühlpforte, Nicole	6
Applying Psychophysiological Methods in Assessing Human Performance	Project	Mirifar, Arash	6

Summer Term 2022

Not planned yet

Religious Studies

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Comparative Religious Education	Seminar	Barb	8
Controversies on Religion in Public Education	Seminar	Alberts	8
"Religion" and "the Public Sphere": A genealogical approach to contested concepts	Seminar	Becker	8
The Negotiation of Religion and Secularity in the Public Sphere	Seminar	Alberts	8

Summer Term 2022

Not planned yet

Philosophy

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Wicked Cases: Law and Medical Ethics in Practice	Lecture	Hoppe, Nils	5
An Introduction to Philosophy in English	Seminar	Dethier, Corey	5
Introduction to Philosophy of Science	Seminar	Feest, Uljana	5
Feminist Philosophy of Science	Seminar	Hilligardt, Hannah	5
Evidence-Based Policy and Practice	Seminar	Khosrowi, Donal	5
Preferences, Utility and Social Choice	Seminar	Krug, Sebastian	5
Knowledge and Truth – The Analytical Project of Epistemology	Seminar	Müller, Jan-Felix	5
The Mind-Brain Problem (Introductory Seminar)	Seminar	Müller, Jan-Felix	5
Science and Society	Seminar	Rechnitzer, Tanja	5
Good Academic Practice: Thinking About Responsible Conduct of Research Throughout the University (Blockseminar)	Seminar	Reydon, Thomas	5
Global Justice: Cosmopolitanism in a Technoscientific World	Seminar	Sample, Matthew	5
Knowing Democracies: Introduction to Science and Technology Studies	Seminar	Sample, Matthew	5
(Ir)Responsible Science and Engineering	Seminar	Sample, Matthew	5
Philosophy, Politics and Economics of Health	Seminar	van BaBhuysen, Philippe	5
Controversies on Religion in Public Education	Seminar	Alberts, Wanda	5
Comparative Religious Education	Seminar	Barb, Amandine	5
„Religion" and „the Public Spere". A genealogical approach to contested concepts	Seminar	Becker, Carmen	5

Summer Term 2022

Not planned yet

Political Science

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Becoming Experts: The Role and Relevance of Knowledge in International Organizations	Seminar	Natalia Dalmer	6
Multilateralism in Uncertain Times – Challenges and Opportunities in Transatlantic Relations	Seminar	Jakob Wiedekind	6

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Problems of International Organizations	Seminar	Natalia Dalmer	6
The Domestic Arena of American Foreign Policy Making – From National Dynamics to International Implications	Seminar	Jakob Wiedekind	6
Quo Vadis Transatlantic Relations? Multilateralism under the Impression of Global Power Shifts	Seminar	Jakob Wiedekind	6
Comparative Executive Politics	Seminar	Philipp Köker	6
Comparative Legislative Politics	Seminar	Philipp Köker	6

Protestant Theology

Winter Term 2021/22

No lectures planned

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
World Christianity	Block seminar	Flett, Senk, Hofheinz	5
Magic, Medicine, or Miracles? Disability and the Bible	Block seminar	Henning, Senk, Neumann	5

Social Sciences

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
The Global Politics of Tourism	Seminar	Sarah Jane Becklake	6
Global Conflicts: The discursive dynamics of disillusion and discontent	Seminar	Mathias Bös	6
Understanding Education: Sociological Perspectives	Seminar	Funda Karapehliyan Senel	6

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Reading Course: Key issues at the intersection of higher education research and science studies	Seminar	Anna Kosmützki	6
Identifying identity: The use of a concept?	Seminar	Mathias Bös	6
Introduction to Sociology of the Social Sciences and the Humanities	Seminar	Funda Karapehlivan Senel	6

Special Education

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Multilingualism from an international and interdisciplinary perspective (Mehrsprachigkeit aus internationaler und interdisziplinärer Perspektive)	Seminar (online)	Langenhoff	3
International Perspectives on Diversity, Inclusive Education and Support Practices	Seminar (Online)	Ehrenberg/Langenhoff	3

Summer Term 2022

Not planned yet

Faculty of Law

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
German Corporate Law – in particular limited liability Company Law	Lecture	Blunk	4
Distribution Law I	Lecture	Muhl	4
EU Consumer Law	Lecture	Künnecke	4
Medical Treatment at the End of Life: Perspectives under English and German Law	Lecture	Stauch	4
Introduction to EU State Aid Law	Lecture	Parashu	2
The rule of law and the ordinary legislative procedure in EU Law	Lecture	Pauling	2
The case law of the European Court of Justice and the right to an effective remedy	Lecture	Pauling	4
International Trade: Legal Frames and Tools	Lecture	Welge	4
Introduction to European Law Moot Court	Lecture	Zaprosyan	6
Introduction to Jessup Moot Court	Lecture	Widdig	4
European Copyright Law*	Lecture	Mesenbrink	4
Data Protection: Corporate Compliance and EU Law*	Lecture	Dahl/Bencova	4
IT Contracts/ Verträge im Bereich der Informationstechnologie*	Lecture	Grützmaker	4
Fundamental Aspects of Information Science, Security and Computing*	Lecture	Ruckermann	4
European Regulations and comparative legal aspects in the information society*	Lecture	Becker	4
US IP/IT Law*	Lecture	Becker	4
Introduction into Legal Informatics and data protection Law*	Lecture	Becker	4
International Private Law and the Internet*	Lecture	Biggus	4
Media Law*	Lecture	Biggus/Inglezakis	4
Legal Writing	Lecture	Zeibig	4

Alternative Licensing*	Lecture	Gera	4
European IP Law*	Lecture	Biggus	4

* The institution IT/IP Law is responsible for those lectures

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Introduction to EU Law	Lecture	Parashu	4
Legal Terminology	Lecture	Bormann	4
German Corporate Law in particular stock corporation law	Lecture	Blunk	2
The Case law of the European Court of Justice and the right to an effective remedy	Lecture	Pauling	2
European Distribution Law II	Lecture	Muhl	4
Comparative Constitutional Law (Germany, USA, France plus countries of the participating students)	Lecture	Künnecke	4
Comparative Medical Malpractice Law (England and Germany)	Lecture	Stauch	4
Medical Treatment at the End of Life	Lecture	Stauch	4
Introduction to European IT-Law*	Lecture	Stauch/Nwankwo	4
Environmental Law in the EU	Lecture	Stauch	4
Introduction to Jessup Moot Court	Lecture	Widdig	4

* The institution IT/IP Law is responsible for those lectures.

These tables are for orientation only. Changes are reserved.

Faculty of Mechanical Engineering

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Laser Spectroscopy in Life Sciences	Lecture	Roth	5
Business, Technology & Development of Vehicle Tires	Lecture	Wies	3
Applied elasticity theory in the aviation	Lecture	Jacob	5
Combustion Technology	Lecture/Practical work	Dinkelacker	5
Aspects of Process Design in Forming Technology	Lecture	Behrens	5
Laserscanning - Modelling and Interpretation	Lecture	Brenner	5
Remote Sensing I	Lecture	Melsheimer	4
Photogrammetric Computer Vision	Lecture/Exercise	Heipke	5
Production of Optoelectronic Systems	Lecture	Overmeyer	5
Micro- and Nanosystems	Lecture	Wurz	5
Image Analysis II	Lecture/Exercise	Rottensteiner	5
Internet GIS	Lecture/Practical work	Feuerhake	5
Electrical Machines and Drives	Lecture/Practical work	Ebrahimi	5
MOOC Aircraft Engines	Lecture	Herbst	3
Aspects of Process Design in Forming Technology	Lecture	Krimm	5
Combustion Technology	Lecture/Practical work	Kuppa	5
Power Electronics	Lecture/Practical work	Friebe	5
Audio and Speech Signal Processing	Lecture/Practical work	Nogueira-Vazquez	5
Fundamentals and Configuration of Laser Beam Sources	Lecture	Hinkemann	5
Nonlinear Control	Lecture/Practical work	Müller	5
Applied Wave Optics	Lecture	Caspary	4
Photonics	Lecture/Exercise	Chichkov	5
Radar Remote Sensing	Lecture/Exercise	Motagh	5
Introduction to Mechanical Vibrations	Lecture	Wangenheim	5
Sustainability assessment II	Lecture	Endres	5
Sustainability assessment I	Lecture	Endres	5
Solar Cell Physics	Lecture/ Exercise	Brendel	5
Data- and Learning-Based Control	Lecture/ Practical work	Müller	4+1
Image sequence analysis	Lecture/ Practical work	Mehltretter	5
Physics of ultrasound and its applications	Lecture	Twiefel	3

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
MOOC Aircraft Engines	Lecture	Herbst	3
Applied Wave Optics	Lecture	Caspary	4
Solar Cell Physics	Lecture/ Exercise	Brendel	5

Laser Measurement Technology	Lecture	Roth	5
Advanced Thermodynamics / ThermoLab	Lecture/ Practical Work	Kabelac	5
Remote Sensing II	Lecture	Melsheimer	4
Solid State Lasers	Lectures	Weßels	2
Design and Simulation of Optomechatronic Systems	Lecture	Lachmayer	5
Laser Material Processing	Lecture/ Exercise	Overmeyer	5
Analysis of deformation measurements	Lecture	Neumann/ Omidalzarandi	4
Industrial surveying	Lecture	Neumann	5
Image Analysis I	Lecture/ Practical Work	Rottensteiner	5
Power Plant Engineering	Lecture/ Practical Work	Scharf	5
Continuum Mechanics II	Lecture	Aldakheel	5
Design and Simulation of Optomechatronic Systems	Lecture	Wolf	5
Engineering Dynamics and Vibrations	Lecture / Practical Work	Wallaschek/ Wangenheim	5
Finite Elements II	Lecture	Soleimani	5
Numerical Implementation of Constitutive Models	Lecture	Aldakheel	1
Model Predictive Control	Lecture/ Practical Work	Müller	5
Recursive State Estimation for dynamic Systems	Lecture	Alkhatib	5
Spray Technology	Lecture	Kawaharada	3
Atom Optics for Optical Technologies	Lecture	Rasel	3+3
Computational Photonics	Lecture/ Practical Work	Demircan	4+2
Optical Radiometry	Lecture/ Practical Work	Kovacev	5
Atomic Optics	Lecture	Ospelkaus- Schwarzer	2+2
Atom Optics for Optical Technologies	Lecture	Rasel/ Schlippert	3+3
Rheology and numerical methods in Tribology	Lecture	Bader	5

Faculty of Natural Sciences

Chemistry

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Stereocontrol in Chemical Synthesis	Lecture/Exercise	Kirschning/Kalesse/Plettenburg/ Brönstrup	6
Research Laboratory in Inorganic Materials Chemistry	Laboratory Exercise	Feldhoff/Anselmann/Becker/ Behrens/Bigall/Dorfs/Frank/ Gebauer/Giese/Grabow/ König/Lacayo-Pineda/Lauth/ Polarz/Renz/Steinhauser/ Walther/Weinhart	8
Research Laboratory in Physical Chemistry of Materials	Laboratory Exercise	Feldhoff/Anselmann/Becker/ Behrens/Bigall/Dorfs/Frank/ Gebauer/Giese/Grabow/ König/Lacayo-Pineda/Lauth/ Polarz/Renz/Steinhauser/ Walther/Weinhart	8
Research Laboratory in Organic Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kirschning/ Lücke/Plettenburg/Poock/ Scheper/Solle/Stahl	8
Research Laboratory in Technical Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kirschning/ Lücke/Plettenburg/Poock/ Scheper/Solle/Stahl	8
Electron Microscopy	Lecture/Exercise	Feldhoff	4
Practical Problems of Nuclear Magnetic Resonance Spectroscopy	Lecture/Seminar/Exercise	Müggenburg	4
Smart Materials: Function by Matter-Stimulus Interactions with Laboratory Exercise	Lecture/Seminar/Laboratory Exercise	Polarz, Krysiak	4

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Chemistry of Natural Products and Biologically Active Substances	Lecture/Seminar/Laboratory Exercise	Kalesse/Plettenburg	10
Biogenesis of Natural Products	Lecture/Exercise /Laboratory Exercise	Kirschning	7
Research Laboratory in Inorganic Materials Chemistry	Laboratory Exercise	Feldhoff/Anselmann/Becker/ Behrens/Bigall/Dorfs/Frank/ Gebauer/Giese/Grabow/ König/Lacayo-Pineda/Lauth/ Polarz/Renz/Steinhauser/ Walther/Weinhart	8
Research Laboratory in Physical Chemistry of Materials	Laboratory Exercise	Feldhoff/Anselmann/Becker/ Behrens/Bigall/Dorfs/Frank/ Gebauer/Giese/Grabow/ König/Lacayo-Pineda/Lauth/	8

		Polarz/Renz/Steinhauser/ Walther/Weinhart	
Research Laboratory in Organic Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kirschning/ Lücke/Plettenburg/Poock/ Scheper/Solle/Stahl	8
Research Laboratory in Technical Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kirschning/ Lücke/Plettenburg/Poock/ Scheper/Solle/Stahl	8
Computational Spectroscopy	Lecture/Seminar/Laboratory Exercise	König	4
Practical Problems of Nuclear Magnetic Resonance Spectroscopy	Lecture/Seminar/Exercise	Cordes	4
Smart Materials: Function by Matter-Stimulus Interactions with Laboratory Exercise	Lecture/Seminar/Laboratory Exercise	Polarz, Krysiak	4

Economic Geography

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
M.2 Methods in Economic Geography	Lecture/Seminar	Nolte, Mewes, Knüpling	10
M.7.1 International Seminar in Economic Geography (ISEG)	Seminar	Sternberg	5

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
M.7.2 International Seminar in Economic Geography (ISEG)	Seminar	Sternberg	5

Food Research and Development

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Food Safety and Quality Management	Vorlesung/Seminar	Özge Tirpanalan- Staben	5
Meat Technology	Knut Franke	Seminar/Experimentelle Übung	4
Pharmacology and Toxicology	Andreas Hahn	Seminar	4
Techniques in Molecular Biology and Genetics	Ralf Berger	Vorlesung	

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Food Process Engineering – Experimental Exercises	Experimentelle Übung	Özge Tirpanalan-Staben / Knut Franke	4
Bakery and Confectionery Technology	Seminar/Experimentelle Übung	Knut Franke	4
Current Aspects of the Humand Nutrition	Seminar	Andreas Hahn	
Bioactives in Food	Vorlesung	Ralf Berger	

Molecular and Applied Plant Science

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
European spatial development and structural policies	Lecture/Seminar	Othengrafen/Gustedt/Lammers	5
Biodiversity	Block seminar	Poppenborg	6
Biostatistics for ecologists with R (Course 1)	Block seminar	Perez-Alvarez	6
Computational Biology	Lecture / theoretical exercise	Rudorf	6
Fruit Surface Biology	Lecture / seminar / practical exercise	Khanal	6
Group Seminar Chemistry and Biology of Natural Products	Seminar	Cox	6
Metabolic Engineering	Lecture / seminar/ practical exercise	Franke	6
Molecular Aspects of Plant Metabolism	Lecture / seminar/ practical exercise	Witte	6
Plant Evolution and Physiology upon Environmental Changes 1	Lecture / seminar/ practical exercise	Pfannschmidt / Papenbrock	6
Postharvest Physiology of Fruit	Lecture / seminar/ practical exercise	Knoche	6
Principles of Systems Modelling	Lecture / practical exercise	Stützel	6
Reproducible Scientific Computing	Lecture / exercise	Christ	6
Transcriptomics	Lecture / seminar/ theoretical exercise	Franke	6

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Computer Science in Planning	Lecture/Practical work	Scholles/Weller/N.N.	5
Biosynthesis and analytics of secondary compounds from plants	Block	Papenbrock	6
Plant Evolution and Physiology upon Environmental Changes 2	Block	Offermann/Papenbrock	6
Crop Modelling	Lecture / practical exercise	Stützel	6
Physiology of Tree Fruit Crops	Lecture / seminar/ exercise	Knoche	6
Methods in Molecular Plant Breeding	Seminar / practical and theoretical exercise	Debener	6
Digital Crop Research Methods	Lecture / practical exercise	Stützel	6
Computational Biology	Lecture / theoretical exercise	Rudorf	6

Metabolic Engineering	Lecture / seminar/ practical exercise	Franke	6
Photobiology of Plant Development and Environmental Acclimation	Lecture / seminar/ practical exercise	Pfannschmidt	6
Biostatistics for ecologists with R (Course 2)	Block	Perez-Alvarez	6
Biodiversity	Block seminar	Poppenborg	6

Molecular Microbiology (Master)

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
Genome Editing	Lecture, Seminar, Practical Course	Boch, Streubel	6
Evolutionary and Physiological Adaptions to Changes in Environmental Conditions	Lecture, Seminar, Practical Course	Offermann, Pfannschmidt	12
Microbial Chemistry – Secondary Metabolics, Their Biogenesis and Engineering	Lecture, Practical Course	Cox, Skellem	6
Basics in Phytomedicine	Lecture, Practical Course	Meyhöfer, Maiß	6
Molecular Genetics	Lecture, Practical Course	Wedekind, Garrels, Büttner, Kispert, Gossler	6
Plant Biotechnology	Lecture, Practical Course	Boch, Streubel	6
Genome and Transcriptome Analysis in Infection Research	Lecture, Software Exercise	Jung	6
Biostatistics	Lecture, Exercise	Schaarschmidt, Menssen	6
Molecular Aspects of Plant Metabolism	Seminar, Practical Course	Witte, Herde, Medina Escobar	12

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Molecular Aspects of Plant Metabolism	Seminar, Practical Course	Witte, Herde, Medina Escobar	12

Geosciences (Only Master courses)

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
MM-4 / Experimental geochemistry	Lecture/exercises/seminar	Almeev	7
MM-5 / Isotope geochemistry and mass spectrometry	Lecture/exercises/practical work	Weyer	9
M P-2 Project / individual work including mineralogical and geochemical mapping	Practical work	Holtz, Weyer	7
M P-3 Project / individual work focusing on the application of mineralogical and geochemical analytical methods	Practical work	Holtz, Weyer	7

M P-4 Project / Literature research and scientific writing (focus in mineralogy and geochemistry)	Exercise	Holtz, Weyer	7
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Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
MM-7 / Geodynamics of mid-ocean ridge systems	Lecture/exercises/Practical work	Koepke	6
MM-16 / Mineral resources	Lecture/exercises/Seminar	Holtz	8
MM-19 / Analytical methods of isotope geochemistry	Lecture/exercises/Practical work	Kirchenbaur, Horn	6
MM-6 / Transport processes in solids, liquids and gases	Lecture/exercises/Practical work	Behrens	5
M P-2 Project / individual work including mineralogical and geochemical mapping	Practical work	Holtz, Weyer	7
M P-3 Project / individual work focusing on the application of mineralogical and geochemical analytical methods	Practical work	Holtz, Weyer	7
M P-4 Project / Literature research and scientific writing (focus in mineralogy and geochemistry)	Exercise	Holtz, Weyer	7

Physical Geography and Landscape Ecology

Winter Term 2021/22

Title/Module	Type	Lecturer/Persons in charge	ECTS
GIS for landscape science	Seminar	B. Steinhoff-Knopp, S. Ott	5
Ecosystem services and human-environmental systems (M II-15)	Seminar	B. Burkhard, P. Rendon	6
Introduction to Python-Scripting with ArcGIS (M III-9)	Seminar	J. Kreklow	6
Systems theory and system analysis	Lecture/Seminar	B. Burkhard, T. Kuhn, J. Seguin, A. Strömer	6

Summer Term 2022

Not planned yet