



Lectures in
English
at Leibniz Universität Hannover

Academic Year 2022/2023

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Leibniz
Universität
Hannover

Content	
Faculty of Architecture and Landscape Sciences.....	4
Architecture and Urban Planning.....	4
Winter Term 2022/2023.....	4
Summer Term 2023.....	5
Environmental Planning, Landscape Architecture and Territorial Development.....	5
Winter Term 2022/2023.....	5
Summer Term 2023.....	5
Faculty of Civil Engineering and Geodetic Science	6
Civil Engineering.....	6
Winter Term 2022/2023.....	6
Summer Term 2023.....	6
Geodesy and Geodetic Science	7
Winter Term 2022/2023.....	7
Summer Term 2023.....	7
Faculty of Economics and Management.....	8
Winter Term 2022/2023.....	8
Summer Term 2023.....	10
Faculty of Electrical Engineering and Computer Science.....	10
Winter Term 2022/2023.....	10
Summer Term 2023.....	11
Faculty of Humanities.....	11
English Department.....	11
Winter Term 2022/2023.....	11
Summer Term 2023.....	12
History	12
Winter Term 2022/2023.....	12
Summer Term 2023.....	12
Political Sciences	13
Winter Term 2022/2023.....	13
Summer Term 2023.....	13
Protestant Theology.....	13
Winter Term 2022/2023.....	13
Summer Term 2023.....	13
Social Sciences.....	13
Winter Term 2022/2023.....	13

Summer Term 2023.....	14
Sports Science.....	14
Winter Term 2022/2023.....	14
Faculty of Law.....	14
Winter Term 2022/2023.....	14
Summer Term 2023.....	15
Faculty of Mathematics and Physics.....	15
Winter Term 2022/2023.....	15
Mathematics.....	15
Physics	16
Meteorology.....	19
Faculty of Mechanical Engineering.....	19
Faculty of Natural Sciences.....	19
Chemistry.....	19
Bachelor.....	19
Winter Term 2022/2023.....	19
Summer Term 2023.....	19
Master.....	19
Winter Term 2022/2023.....	19
Summer Term 2023.....	20
Economic Geography.....	21
Winter Term 2022/2023.....	21
Summer Term 2023.....	21
Food Research and Development (Master).....	21
Winter Term 2022/2023.....	21
Summer Term 2023.....	21
Life Science	22
Winter Term 2022/2023.....	22
Summer Term 2022.....	22
Molecular and Applied Plant Science	22
Winter Term 2022/2023.....	22
Summer Term 2023.....	23
Geosciences (Master).....	23
Winter Term 2022/2023.....	23
Summer Term 2023.....	24
Landscape Sciences (Master).....	24

Winter Term 2022/2023.....	24
Summer Term 2023.....	25

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 only,

Besides, it is possible for English speaking students to participate nearly at 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. Additional 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 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 contact Dr. Frank Scholles (scholles@umwelt.uni-hannover.de). For Architecture and Urban Planning contact Kirsten Aleth (international@archland.uni-hannover.de).

Architecture and Urban Planning

Winter Term 2022/2023

Title/Module Architecture and Urban Planning B.Sc., M.Sc.	Type	Lecturer/Persons in charge	ECTS
Bachelor Project Urban Design	Project	Quednau/Schröder/Rieniets	9
Comprehensive Project (4 th study year) in History and Theory of Architecture	Project	Buchert/Jäger	12
Comprehensive Project (4 th study year) in Digital and Material	Project	Becker/Nolte	12
Comprehensive Project (4 th study year) Design and Building Construction	Project	Furche	12
Comprehensive Project (4 th study year) in Architectural Design	Project	Kums/Turkali/Till/Kempe	12
Comprehensive Project (4 th study year) 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
Data Sciences for Energy-Efficient Design	Seminar	Geyer	5

Summer Term 2023

Title/Module Architecture and Urban Planning B.Sc., M.Sc.	Type	Lecturer/Persons in charge	ECTS
Comprehensive Project (from 4 th study year) in History and Theory of Architecture	Project Project	Buchert Jager	12
Comprehensive Project (from 4 th study year) in Digital and Material	Project	Becker/Nolte	12
Comprehensive Project (from 4 th study year) Design and Building Construction	Project	Furche	12
Comprehensive Project (from 4 th study year) in Architectural Design	Project	Kums/Turkali/Till/Kempe	12
Comprehensive Project (from 4 th study year) 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
Data Sciences for Energy-Efficient Design	Seminar	Geyer	5

Environmental Planning, Landscape Architecture and Territorial Development

Winter Term 2022/2023

Title/Module Environmental Planning and Territorial Development M.Sc, Landscape Architecture M.Sc.	Type	Lecturer/Module leader	ECTS
Emergent Topics in Landscape Architecture	Seminar	Werthmann	5
Nature Conservation and Environmental Economy	Seminar	Matzdorf	5
Master's Project I Nature Conservation	Project	Koessler	15
Master's Project I Territorial Development	Project	Mehnen	15
Master's Project I Landscape architecture	Project	Werthmann	15
Urban and Regional development	Lecture/Seminar	Danielzyk/Mehnen	5
Planning Theory	Seminar	N.N.	5
Hydrology and Water Resources Management	Seminar	Haberlandt	5
Water Resources Systems Analysis	Seminar	Dietrich	5
Current Issues in Territorial Development	Seminar	Lamberg	5
Environmental Planning	Lecture	Hermes	2,5
Understanding, Guiding, and Evaluating Environmental Behaviour	Lecture/Seminar	Koessler	5

Summer Term 2023

Title/Module Environmental Planning and Territorial Development M.Sc, Landscape Architecture M.Sc.	Type	Lecturer/Module leader	ECTS
Environmental Planning – Implementation	Lecture/Seminar	Von Haaren	5
Master's Project II Territorial Development	Project	Mehnen	15
Master's Project II Nature Conservation	Project	Koessler	15
Digital Environmental Planning	Lecture/Practical work	Hack	5

Current Issues in Territorial Development	Seminar	Moss	5
European Union Regional Policies	Seminar	Van Oort	5
Land Tenure, Land Policy and Rural Development	Seminar	Voß	5

Faculty of Civil Engineering and Geodetic Science

Civil Engineering

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Advanced Stochastic Analysis	Lecture	Prof. Dr.-Ing. Michael Beer	6
Hydropower Engineering	Lecture	Prof. Dr.-Ing. Martin Achmus	6
Hydromechanics of Offshore Structures	<i>Lecture</i>	Prof. Dr.-Ing. Arndt Hildebrandt	6
Special Topics in Sanitary Engineering	<i>Lecture</i>	Prof. Dr.-Ing. Stephan Köster	3
Coastal and Estuarine Management	Lecture	Prof. Dr.-Ing. habil. Torsten Schlurmann	6
Mechanics of Solids	Lecture	Prof. Dr.-Ing. Udo Nackenhorst	6
Meteorology and Climatology	Lecture	Jun.-Prof. Dr.-Ing. Kristian Förster	3
Structural Safety in Steel Construction	Lecture	Prof. Dr.-Ing. Schaumann, Peter	6
Recycling and Circular Economy	Lecture	PD Dr.-Ing. habil. Dirk Weichgrebe	6
Systems and Network Analysis	Lecture	Prof. Dr.-Ing. Michael Beer	6
Foundations of Computational Engineering	<i>Lecture</i>	Prof. Dr.-Ing. Michael Beer	6
Infrastrukturen der Wasserversorgung und Abwasserentsorgung	<i>Lecture</i>	Prof. Dr.-Ing. Stephan Köster	6
Water Resources Systems Analysis	<i>Lecture</i>	Dr.-Ing. Jörg Dietrich	6

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Wind Energy Technology I	<i>Lecture</i>	Prof. Dr.-Ing. Andreas Reuter	6
Field Measuring Techniques in Coastal Engineering	<i>Lecture</i>	Dr.-Ing. Mario Welzel	6
Finite Elemente Anwendungen in der Statik und Dynamik	<i>Lecture</i>	Prof. Dr.-Ing. Raimund Rolfes	6
Maritime and Port Engineering	<i>Lecture</i>	Prof. Dr.-Ing. habil. Torsten Schlurmann	6
Numerical Modelling in Geotechnical Engineering	<i>Lecture</i>	Prof. Dr.-Ing. Martin Achmus	6

Solid Waste Management	Lecture	Dr.-Ing. habil. Dirk Weichgrebe	6
Stochastic Finite Element Methods	Lecture	Prof. Dr.-Ing. Udo Nackenhorst	6
Modelling in Sanitary Engineering	Lecture	Prof. Dr.-Ing. Regina Nogueira	6
Urban Hydrology	Lecture	Prof. Dr.-Ing. Förster, Kristian	6
Foundations of Computational Engineering	Lecture	Prof. Dr.-Ing. Michael Beer	6
Ecology and Water Quality	Lecture	Dr.-Ing. Jörg Dietrich	6
Wetland Ecology and Management	Lecture	Prof. Martha Graf	6
Hydrological Extremes	Lecture	Prof. Dr.-Ing. Uwe Haberlandt	6
Industrial Water Supply and Water Management	Lecture	Prof. Dr.-Ing. Stephan Köster	6
Reliability and Risk Analysis	Lecture	Prof. Dr.-Ing. Michael Beer	6

Geodesy and Geodetic Science

Winter Term 2022/2023

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
Machine Learning Models in Geodetic Data Science	Lecture/Exercise	Alkhatib	5
Image Sequence Analysis	Lecture/Exercise		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	5
Monitoring Spatiotemporal and Network Data	Lecture/Exercise	Otto, Philipp	5
Statistic Modelling in Data Science	Lecture/Exercise	Otto	5

Summer Term 2023

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

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
Spatial Data Science	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
Geodata Infrastructures	Lecture	Wilgalis	2

Faculty of Economics and Management

Winter Term 2022/2023

Bachelor:

Title/Module	Type	Lecturer/Persons in charge	ECTS
273005 Capital Market Theory II: Derivatives	Lecture and exercise	Prof. Prokopczuk	5
271057 Innovation and Learning	lecture	Prof. Piening	5
273003 International Competitiveness	Lecture and exercise	Prof. Grote	5
273013 Programming for Finance	Lecture	Prof. Prokopczuk	5
272013 Labour Economics	Lecture	Prof. Puhani	5
272007 Game Theory	Lecture and exercise	Prof. Hoppe-Wewetzer	5
273004 Seminar Development and Environmental Economics	Block Course (Seminar)	Grote, Waibel	5
273012 Seminar Finance: Investments	Block Course (Seminar)	Klößner, Lauter, Seebonn	5
271022 Seminar Empirical Research in Finance (Seminar Kapitalmarktforschung)	Block Course (Seminar)	Dierkes, Krupski	5
272069 Seminar Current Topics in Public Economics	Block Course (Seminar)	Zyska	5
272020 Seminar: Recent Issues in Macroeconomics (Seminar: Aktuelle Fragen der Makroökonomik)	Block Course (Seminar)	Gassebner	5

Master:

Title/Module	Type	Lecturer/Persons in charge	ECTS
379030 Advanced Asset Pricing	Lecture and exercise	Prof. Prokopczuk	5
379023 Advanced Econometrics	Lecture	Prof. Sibbertsen	5
379006 Advanced Macroeconomics	Lecture and exercise	Prof. Gnutzmann-Mkrtchyan	5
373000 Advanced Statistics	Lecture	Prof. Sibbertsen	5
379029 Advanced Time Series Analysis	Lecture	Prof. Sibbertsen	5
373026 Applied Economic History	Lecture	Prof. Gassebner	5
378023 B2B Marketing	Lecture	Prof. Wiedmann	5
374011 Behavioral Finance	Lecture and exercise	Prof. Dierkes	5
374015 Computational Finance	Lecture	Prof. Breitner	

371022 Controlling and Value Generation Chain	Lecture	Prof. Claassen	5
379000 Data Analytics	Lecture	Prof. Schnitzlein	5
377005 Data Collection	Lecture	Prof. Waibel	5
379043 Empirical Development Economics	Lecture and exercise	Prof. Gassebner	5
379037 Energy Economics	Lecture and exercise	Prof. Grote	5
376030 Enterprise Architecture Management and Enterprise Digitalization (Enterprise Architecture Management und Unternehmensdigitalisierung)	Block course	Prof. Breitner	5
76476/379038 Environmental Economics	Lecture and exercise	Prof. Grote	5
379012 Financial Econometrics	Lecture	Prof. Sibbertsen	5
374041 Financial Systems and Regulation	Lecture and exercise	Prof. Dräger	5
374040 Hedge Funds: Trading Strategies and Performance Evaluation	Lecture	Prof. Dierkes	5
377016 Impact Evaluation	Block course	Prof. Steiner	5
376002 Information Systems	Lecture and tutorial	Prof. Breitner	5
374043 Insurance Risk Management	Lecture and exercise	Prof. Schneider	5
371012 International Accounting	Lecture and exercise	Prof. Wielenberg	5
377008 International Business Relations	Lecture	Prof. Waibel	5
379052 International Econometrics	Lecture and exercise	Prof. Gassebner	5
378021 International Strategic Marketing	Lecture	Prof. Wiedmann	5
376008 Manufacturing Systems Modeling and Analysis	Lecture and exercise	Prof. Helber	5
377015 Micro and Macro Economic Simulation Modelling	Lecture and exercise	Prof. Grote	5
379025 Monetary Theory and Policy	Lecture and exercise	Prof. Dräger	5
378017 Nonprofit and Public Management: Human Resource Management	Lecture	Prof. Piening	5
376000 Operations Research	Lecture and exercise	Prof. Helber	5
376010 Optimization Modeling with GAMS	Lecture and exercise	Prof. Helber	5
378062 Organization and Human Resource Management Theories (Theorien der Organisations- und Personalforschung)	Lecture	Prof. Piening	5
378080 Principles of Entrepreneurship	Lecture	Prof. Foegen	5
377006 Project Planning and Evaluation	Lecture	Prof. Waibel	5
378007 Qualitative Management Research 1	Lecture	Prof. Piening	5
378008 Qualitative Management Research 2	Lecture	Prof. Weber	5
378010 Quantitative Management Methods 2	Lecture	Prof. Wiedmann	5
377000 Seminar Asian Economies (mind registration deadline)	Seminar/block course	Prof. Waibel	5
374000 Seminar Banking and Finance (mind registration deadline)	Seminar/block course	Prof. Dierkes	5
373002 Seminar Econometrics (mind registration deadline)	Seminar/block course	Prof. Sibbertsen	5
374002 Seminar Empirical Monetary Macroeconomics (mind registration deadline)	Seminar/block course	Prof. Dräger	5
373017 Seminar Empirical Research (mind registration deadline)	Seminar/block course	Prof. Gassebner	5
371058 Seminar Empirical Research in Taxation and Public Finance (mind registration deadline)	Seminar/block course	Prof. Todtenhaupt	5
374045 Seminar Insurance Customer Behavior (mind registration deadline)	Seminar/block course	Prof. Schneider	5

378006 Seminar Work and Employment Studies (mind registration deadline)	Seminar/block course	Prof. Haunschild	5
373014 Stochastic Processes for Option Pricing	Lecture	Prof. Sibbertsen	5
375000 Theory of Health Economics	Lecture and exercise	Prof. Herr	5
372022 Topics in Dynamic Optimization (Themen in dynamischer Optimierung)	Lecture	Prof. Hoppe-Wewetzer	5

Summer Term 2023

Not planned yet

Find more information on: <https://www.wiwi.uni-hannover.de/en/studies/im-studium/international/incomings/course-catalogues/> (will be updated in September 2022)

Faculty of Electrical Engineering and Computer Science

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Application-Specific Instruction-Set Processors	Lecture	Blume	5
Audio and Speech Signal Processing	Lecture	Nogueira-Vazquez	5
AutoML Lab	Lecture	Lindauer	6
Data- and Learning-Based Control	Lecture + Practical Work	Müller	5
Electric Power Systems I	Lecture + Practical Work	Leveringhaus	5
Electrical Energy Storage	Lecture + Practical Work	Bensmann	5
Electrical Machines and Drives	Lecture + Practical Work	Ebrahimi	5
Electrical Machines for eAutomotive Traction Applications	Lecture	Dotz	3
Electrothermal Processing (Electrotechnologies)	Lecture + Practical Work	Baake	5
Image Analysis II	Lecture	Rottensteiner	5
Image Sequence Analysis	Lecture	Mehltretter	5
Interpretable Machine Learning	Lecture	Lindauer	5
Introduction to Neurosymbolic Hybrid Systems: Theory, Technologies and Applications	Lecture	Stocker	3
Artificial Intelligence II	Lecture	Neidl	5
Multi-Agenten Interaktionen und Spiele/ Multi-Agent Interactions and Games	Lecture	Kudenko	3
Nonlinear Control	Lecture	Müller	5
Power Electronics	Lecture + Practical Work	Friebe	5
Proseminar: Natural Language Processing	Practical Work	Wachsmuth	3
Reinforcement Learning	Lecture	Lindauer	5
Scientific Data Management and Knowledge Graphs	Lecture	Vidal	5
Seminar: Advanced Topics in Database Systems	Practical Work	Abedjan	3
Seminar: Data Science & Digital Libraries	Practical Work	Stocker	3
Statistical Natural Language Processing	Lecture	Wachsmuth	5
Sustainable Combustion Technology	Lecture + Practical Work	Dinkelacker	5
Verteilte Systeme/ Distributed Systems	Lecture	Rellermeyer	5

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Computational Argumentation	Lecture	Wachsmuth	5
Graphenbasiertes Maschinelles Lernen/ Graph-based Machine Learning	Lecture	Dockhorn	5
Introduction to Natural Language Processing	Lecture	Wachsmuth	5
Labor: Argumentation Technology	Practical Work	Wachsmuth	6
Projekt: Reproducibility Challenge in Machine Learning	Lecture + Practical Work	Linauer	4
Seminar: Natural Language Generation	Practical Work	Wachsmuth	3
Seminar: Verlässliche und Skalierbare Softwaresysteme/ Seminar: Dependable and Scalable Systems	Practical Work	Rellermeyer	3
Spatial Data Science	Lecture	Sester, Feuerhake	5

Faculty of Humanities

English Department

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
British Studies			
Introduction to Literary Studies	seminar	Neumann/Gohrisch	5
The Gothic in British Literature	seminar	Neumann	5
Visions of the Future? Anglophone Science Fiction through the Ages	seminar	Ippendorf	5
Welsh Writing in English – Writing the Nation?	seminar	Ippendorf	5
Practicing Literary Criticism: British Literatures and Cultures	seminar	Pardey	5
Literary Representations of 19 th -Century Labour Migration	seminar	Pardey	5
Canada: History, Culture, Literature	seminar	Gohrisch	5
British and Postcolonial Studies	seminar	Gohrisch	5
Theories and Methods of Literary Studies	seminar	Gohrisch	5
American Studies			
Introduction to Literary Studies	seminar	Brasch/Oldehus	5
Survey of North American Literature and Culture	lecture	Mayer	5
True Womanhood? Nineteenth-Century Idea(l)s of Femininity	seminar	Mayer	5
Literary Theory Now	seminar	Brasch	5
After the Cold War: Post-Socialist Immigration Literature	seminar	Mayer	5
Independent Studies: Editing a Scholarly Journal	seminar	Brinker + Loock	5
Beginning Film Analysis: Horror Movies	seminar	Brinker	5
Climate Change Screen Cultures	seminar	Loock	5
The Critique of Capitalism in/and the University	seminar	Brinker + Fagan	5
Foundations in the Critique of Capitalism	seminar	Brinker + Fagan	5
Realism, Modernism and Visuality	seminar	Czelustek	5
Independent Studies: Videographic Criticism	seminar	Loock	5
Fixing Problems in the Progressive Era	seminar	Fagan	5
Immigration in American Literature	seminar	Youssef	5
Feeling (L)it	seminar	Oldehus	5
Linguistics			
Introduction to Linguistics I	seminar	Jalanesh/Troitzschel	5
Introduction to Linguistics II	seminar	Troitzschel	5

Phonetics and Phonology	lecture	Altendorf	5
Linguistics Landscape(s)	seminar	Schulze	5
Politeness in English	seminar	Schulze	5
English Dialectology	seminar	Altendorf	5
Learner Corpus Research	seminar	Altendorf	5
Increasing Teaching Proficiency via Researching Learner Language (Intensive course 4-7 October)	seminar	Hohaus	5
Theory of teaching English as a Foreign Language			
Introduction to TEFL	seminar	Kuhrs Woltin	5
Teaching Diversity? Critical Perspectives on EFL Teaching Materials and Practices	seminar	Beck	5
The Makerspace: Producing Podcasts, Explainer Videos and Films with EFL Learners	seminar	Kuhrs Woltin	5
Classroom Analysis – Engaging Methods and Means	seminar	Traumann	5
Communicative Approaches to Teaching EFL in Years 5 and 6	seminar	Blneckertz	5
Contextualizing, Analyzing, and Producing Film using the Example of Eastwood's <i>Gran Torino</i>	seminar	Kuhrs Woltin	5
Language Practice			
Vocabulary and Pronunciation	exercise	Gans	5
Grammar (Intensive course in February)	Exercise	Gans	5
Composition	Exercise	Schneller/O'Carroll	5
Advanced Composition (Intensive course in February)	Exercise	Schneller	5
Diversity	seminar	Gans + Schneller	5
Digitalisation in the Classroom	seminar	Gans + Schneller	5
Presentation Skills	exercise	O'Carroll	5
English Theatre Workshop	workshop	Bennett	5

Summer Term 2023

Not planned yet

History

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Second Slavery, Islam and Political Transformation in 19th Century West Africa / MA Modul Geschichte Afrikas & FÜBa –M ed.: VT Gesellschaftsgeschichte & FÜBa – M.ed.: VT Globalgeschichte	Seminar	Reinwald	8
Metals, Minerals and Mining in the Early Modern Period / MA Modul Frühe Neuzeit & FÜBa-M.ed.: VT Kulturgeschichte	Seminar	Elmer	8
Race and Citizenship in Modern Cuba / FÜBa-M.ed.: VT Globalgeschichte & FÜBa –M.ed.: VT Kulturgeschichte	Seminar	Ohlraun	8
Violence in the Archive / FÜBa-M.ed.: VT Globalgeschichte & FÜBa – M.ed: VT Kulturgeschichte	Seminar	Ohlraun	8

Summer Term 2023

Not planned yet

Political Sciences

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
<i>Theoretical Foundations of Comparative Institutional Research</i>	Seminar	<i>Philipp Köker</i>	6
Electoral institutions and their effects	Seminar	<i>Philipp Köker</i>	6
Patterns of Democracy	Seminar	<i>Christoph Hönnige</i>	6
Becoming Experts: The Role and Relevance of Knowledge for International Organizations	Seminar	Natalia Dalmer	6
Multilateralism in Uncertain Times – Challenges and Opportunities in Transatlantic Relations	Seminar	Jakob Wiedekind	6
N.A.	Seminar	N.A.	6

Summer Term 2023

To be announced

Protestant Theology

Winter Term 2022/2023

No lectures planned.

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
World Christianity	Seminar	Flett/Hofheinz/Senk	5

Social Sciences

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Religion in the Public Sphere: Topics, Theories and Methods	Seminar	Ingo Bultmann; Steffen Führding	6
Cosmopolitanism in a Technoscientific World	Seminar	Matthew Sample	6
New Professionalism – Studying the Relation between Organizations and Professions in Transforming Societies	Seminar	Stefanie Büchner	6
Shifting Forms of Membership: Religions, Nations and Citizens	Seminar	Wanda Alberts Mathias Bös	6
Reading "Relational Inequalities – An Organizational Approach"	Seminar	Simon Weingärtner	6
Understanding Education: Sociological Perspectives	Seminar	Funda Karapehlivan Senel	6

Summer Term 2023

Not planned yet

Sports Science

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Applying psychophysiological methods in assessing human performance	Seminar	Mirifar Arash	4
Kinematic assessment of human motion	Seminar	Tonghun Hwang	6
Projekt Sport und Bewegung-Training	Projekt	Eckardt, Hwang	4
Current developments in health science	Seminar	Melanie Krüger	4

Faculty of Law

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
German Corporate Law, in particular Limited Liability Company Law	Lecture	Blunk	2
Commercial Contracts and Dispute Resolution	Lecture	Schroeder	2
EU Consumer Law	Lecture	Künnecke	4
The case law of the European Court of Justice and the right to an effective remedy	Lecture	Pauling	2
Distribution Law I	Lecture	Muhl	2
Introduction to EU State Aid Law	Lecture	Parashu	2
Introduction to EU Law	Lecture	Parashu	4
Medical Malpractice Law	Lecture	Stauch	4
Environmental Law in the EU	Lecture	Stauch	4
International Trade: Legal Frames and Tools	Lecture	Welge	4
Legal Writing	Seminar	Zeibig	4
European Copyright Law	Lecture	Mesenbrink	4
Media Law I	Lecture	Theißen	4
The rule of law and the ordinary legislative procedure in EU law	Lecture	Pauling	4
International Security Law	Lecture	Widdig	2
Climate Change and the Politics of International Law	Lecture	Nyanje	4
Comparative Law	Lecture	Nyanje	4
International Contract Law (Basics)	Lecture	Karnaugh	4
Introduction to Media Law	Lecture	Theißen	4
Right to a fair trial in civil procedure	Lecture	Tsuvinä	4

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Law and Medicine at the end of life in the UK and Germany	Lecture	Stauch	4
Climate Change Litigation	Lecture	Stauch	4
Comparative Medical Malpractice Law (England and Germany)	Lecture	Stauch	4
Introduction to European Law Moot Court	Lecture	Zaprosyan	4
Introduction to EU Law	Lecture	Parashu	2
Distribution Law II	Lecture	Muhl	4
The rule of law and the ordinary legislative procedure in EU law II	Lecture	Pauling	4
German Corporate Law, in particular stock	Lecture	Blunk	4
International Trade II: Autonomous Trade Instruments of the WTO; Implementation in major Members, - Laws and Practices".	Lecture	Welge	4
Media Law	Lecture	Theißen	4
Comparative Law	Lecture	Nyanje	4
Droit de l'Union Européenne	Lecture	Youboué	4

Faculty of Mathematics and Physics

Winter Term 2022/2023

Mathematics

Title/Module	Type	Lecturer/Persons in charge	ECTS
Algebraic Geometry	Lecture	Schreieder	10
Algebraic Geometry	Practical work	Schreieder	
Algebraic Geometry	Seminar	Schreieder	
Algebraic Number Theory II	Lecture	Derenthal	
Algebraic number Theory II	Practical work	Derenthal	
Functional Analysis	Lecture	Bauer	10
Functional Analysis	Practical work	Schmitt	
Actuarial Mathematics 1	Lecture	Svindland, Liebrich, Homeyer, Brüske, Kötter, Märkert, Nolte	
Actuarial Mathematics 1	Practical Work	Langner, Kleiber	
Symplectic Geometry and Integrable Systems	Lecture & Practical Work	Bielawski	
An Introduction to Diophantine Geometry	Lecture & Practical Work	Gao	
Brill Noether Theory	Lecture	Torelli, Christ	
Brill Noether Theory	Practical work	Christ, Torelli	
Financial Mathematics in Continuous Time	Lecture	Svindland	
Financial Mathematics in Continuous Time	Practical Work	Voß	
Index Theory	Lecture & Practical Work	Schrohe	

Numerical Methods for Partial Differential Equations	Lecture	Morgenstern, Beuchler	
Numerical Methods for Partial Differential Equations	Practical Work	Haubold, Beuchler	
Utility Theory and Decision Making	Lecture	Liebrich	
Numerical methods for phase-field fracture problems	Lecture & Practical Work	Wick	
Quantitative Risk Management	Lecture	Weber	
Quantitative Risk Management	Practical Work	Bettels	
Operator Theory on Hilbert spaces	Practical work	Rodriguez Rodriguez	
Uncertainty Quantification in Computational Science	Lecture & Practical Work	Khodadadian	
Fast iterative Solvers for indefinite systems	Seminar	Beuchler	
C*-algebras	Seminar	Schrohe	
Financial Mathematics	Seminar	Svindland	
Insurance Mathematics and quantitative risk management	Seminar	Weber	
Mathematic Modeling of Traffic Systems (Mathematische Modellierung von Verkehrssystemen)	Seminar	Weber, Timmermann	
Fundamentals in Uncertainty Quantifications	Seminar	Khodadadian	5
Number Theory and Arithmetic Geometry	Seminar	Derenthal, Schütt, Gao	
Algebra and Algebraic Combinatorics	Seminar	Cuntz, Holm	
Algebraic Geometry	Seminar	Schreieder, Schütt	

Physics

Title/Module	Type	Lecturer/Persons in charge	ECTS
Atomic and Molecular Physics	Lecture	Ospelkaus, Ospelkaus-Schwarzer	
Atomic and Molecular Physics	Practical Work	Ospelkaus, Ospelkaus-Schwarzer	
Atomic and Molecular Physics	Lab	Ospelkaus, Ospelkaus-Schwarzer	3
Bionic Surfaces	Lecture/Seminar	Fadeeva	4
Introduction to Multiscale and Multiphysics Modelling	Lecture	Zhuang	5
Software for Multiscale and Multiphysics Modelling	Lab	Zhuang	2
Experimental Physics for Teaching Degrees (Experimentalphysik für Lehramtsstudierende)	Seminar/ Practical work	Weber	3
Foundations of Laser medicine and biophotonics	Lecture/ Seminar	Lubatschowski, Heisterkamp	4
Foundations of Biophotonics	Seminar	Roth	3
Nuclear Energy and Fuel Cycle, Technical Aspects and Public Discourse	Lecture	Walther	2
Laboratory II (Grundpraktikum II)	Lab	Weber	2,5
Nuclear Physics Applications in the Environmental Sciences	Lecture	Walther	2
Optics, atom physics and quantum phenomena	Lecture	Haug	
Optics, atom physics and quantum phenomena	Practical Work	Haug, Block	
Newton-Cartan-Gravity	Lecture	Schwartz	4
Newton-Cartan-Gravity	Practical Work	Schwartz	

Optical Layers	Lecture/Practical Work	Ristau	4
Optical Layers for Engineers	Lecture/Practical Work	Ristau	5
Physics for Engineers (Physik für Studierende der Ingenieurwissenschaften (Maschinenbau))	Lecture	Ospelkaus-Schwarzer	
Quantum Optics	Lecture	Mehlstäubler, Schmidt	5
Quantum Optics	Practical Work	Mehlstäubler, Schmidt	
Quantum Field Theory	Lecture/Practical Work	Kotoousov, Fuchs	
Strong Field Physics	Lecture	Kovacev	3
Theoretical Solid State Physics	Lecture/Practical Work	Jeckelmann	
Theoretical Quantum Optics	Lecture	Hammerer	
Theoretical Quantum Optics	Practical Work	Fitzek, Hammerer	
Advanced Nonlinear Optics	Lecture	Trabattoni	
Advanced Solid State Physics	Lecture	Ding	
Advanced Solid State Physics	Practical Work	Zopf	
Applied Atomic Physics	Lecture	Karpa, Siercke	4
Applied Atomic Physics	Practical Work	Siercke, Karpa	
Computational methods for quantum correlated systems	Lecture & Practical Work	Abdelwahab Mohammed	
Lecture in the context of SFB 1227 DQ-Mat (Vorlesung im Rahmen des SFB 1227 DQ-Mat)	Lecture	Ospelkaus	
Energy storage materials and devices	Lecture & Practical Work	Zhang	
Experimental Methods in Atomic Physics	Lecture	Abend, Rasel, Schlippert	4
Experimental Methods in Atomic Physics	Practical Work	Lezeik	
Introduction Biophysics for Physicists	Lecture	Heisterkamp, Kalies	3
Basics of radioecology and radiation protection	Lecture	Walther	2
Laserspektroskopie in Life Science	Lecture & Practical Work	Roth	4
Matter wave interferometry	Lecture/ Practical Work	Rasel, Gaaloul	3
Non Classic Laser Interferometry	Lecture	Willke	2
Non Classic Light	Lecture	Heurs	2
Photonics	Lecture	Chichkov	4
Photonics	Practical Work	Chichkov, Hinze	
Key Technologies for Personalised Medicine (Schlüsseltechnologien für die personalisierte Medizin)	Lecture/Seminar	Koroleva	
The analysis of the data	Lecture	Papa	
Data Analysis	Lab	Papa	
Laser Interferometry	Lab	Schimanski	
Optics at AEI	Lab	N.N	
Optical Transfer of Information (Optische Informationsübertragung)	Lab	Roth	
Physics- Lab for Life Science	Lab	Weber	2,5
Physics – Lab for Engineers	Lab	Weber	1
Growth and Characterization of Nanostructures	Lab	Ding	
Nanomaterials in energy storage devices	Lab	Zhang	
Optical characterization of nanostructures	Lab	Ding	
Presenting Physics: Physics of Energy Conversion (Physik präsentieren – Physik der Energiekonversion)	Seminar	Brendel	3
Presenting Physics: Gravitational Physics (Physik präsentieren in der Gravitationsphysik)	Seminar	Willke, Danzmann, Heurs, Lück, Heinzel	
Presenting Physics: Nobel-Prizes in Solid State Physics (Physik präsentieren – Nobelpreise in der Festkörperphysik)	Seminar	Hübner, Block	3

Preparations for the seminar : Presenting Physics: Nobel-Prizes in Solid State Physics	Seminar	Hübner	
Presenting Physics: optics with Light- and Matter Waves (Physik präsentieren - Optik mit Licht- und Materiewellen)	Seminar	Ospelkaus-Schwarzer, Ospelkaus, Rasel	3
Publication Club Entanglement in atomic systems	Seminar	Klempt	3
Best Practices for the Scientist Programmer	Seminar	Demircan, Melchert	3
Condensed matter theory	Seminar	Jeckelmann	3
Fortgeschrittene Methoden der Quantensensorik	Seminar	Rasel	3
Gravitational Physics	Seminar	Heurs, Danzmann, Willke, Lück, Heinzl	3
Biomedical Journal Club	Seminar	Kalies, Heisterkamp	
Journal-Club Quantum- Many-Body-Systems	Seminar	Kotoousov, Frahm	
Journal Club Ultracold Molecules	Seminar	Ospelkaus- Schwarzer	
Journal Club	Seminar	Rasel	3
Journal-Club Stored Ions	Seminar	Ospelkaus	3
Junior-Journal Club for MSc Students	Seminar	Ospelkaus-Schwarzer, Ospelkaus, Rasel	3
Monday Morning Science Meeting	Seminar	Lein, Brennecke, Winter	
Nanoengineering	Seminar	Chichkov	3
Numerical Optics	Seminar	Demircan, Babushkin, Melchert	3
Optics with Femto- and Attosecond Time Scales (Optik auf Femto- und Attosekunden-Zeitskalen)	Seminar	Kovacev	3
Specialty Optical Fibers: Production, Operation Principle, Application	Seminar	Steinke, Ließmann, Ristau	3
Photonics	Seminar	Chichkov	2
Basics of radioecology and radiation protection	Seminar	Walther, Riebe	
Theoretical Physics	Seminar	N.N	
Superstring Theory	Seminar	Lechtenfeld	
Experimental Quantum Metrology	Seminar	Mehlstäubler, Schmidt	
Integrated Quantum Optics	Seminar	Kues	
Lighthouse Meeting	Seminar	Ding	
Physics of the AEI 10m Prototype	Seminar	Lück	
Quantum Logic with Captured Ions	Seminar	Mehlstäubler, Schmidt	3
Quantum Information Theory	Seminar	Osborne	
Quantum Optics meets Quantum Information	Seminar	Peña Ardila, Santos	
Renormalization and Information	Seminar	Osborne	
Semiconductor Optics	Seminar	Oestreich	
Solid state quantum technology, quantum information, and single photon emitter	Seminar	Oestreich, Hübner, Ding, Schell, Gerhardt	
Current Problems in Quantum Optics	Group-seminar	Rasel	
Laseroptics	Group- Seminar	Morgner	
Molecules and Lasers	Group-Seminar	Tiemann, Ospelkaus-Schwarzer	
Optical Components	Group-Seminar	Ristau	
Quantum Logic and Precision Measurements with single Ions	Group-Seminar	Ospelkaus	
High-Power-Lasers for Gravitational Wave Detection	Group-Seminar	Willke	
Interferometric Applications in Space	Group-Seminar	Heinzl	

Nanodevices for energy storage	Group-Seminar	Zhang	
Non Classic Laser Interferometry	Group-Seminar	Heurs	
Seminar Prof. Zhuang	Group-Seminar	Zhuang	
Quantum Engineering	Group-Seminar	Ding	
Departmental Seminar at the Institute for Gravitational Physics	Group- Seminar	Willke	

Meteorology

Title/Module	Type	Lecturer/Persons in charge	ECTS
Meteorology and Climatology	Lecture	Maronga	

Faculty of Mechanical Engineering

Find more information on:

https://www.maschinenbau.uni-hannover.de/fileadmin/maschinenbau/Internationales/EnglischeLVWS22_23.pdf

Faculty of Natural Sciences

Chemistry

Bachelor

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Organic Chemistry I	Lecture and Tutorial	Cox	6

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Organic Chemistry II	Lecture	Cox	app. 3

Master

Winter Term 2022/2023

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/	8

		Polarz/Renz/Steinhauser/ Walther/Weinhart	
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/Kara/Kirschning/ Lücke/Plettenburg/Poock/Solle/Stahl	8
Research Laboratory in Technical Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kara/Kirschning/ Lücke/Plettenburg/Poock/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 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Advanced Methods for Structure Analysis	Lecture	Krysiak/Schaate/Siroky	4
Advanced Methods for Structure Analysis with Laboratory Exercise	Lecture/Laboratory Exercise	Krysiak/Schaate/Siroky	8
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/ 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/Kara/Kirschning/ Lücke/Plettenburg/Poock/Solle/Stahl	8
Research Laboratory in Technical Chemistry of Biologically Active Substances and Natural Products	Laboratory Exercise	Kalesse/Blume/Brönstrup/ Cox/Dräger/ Etling/Franke/Kara/Kirschning/ Lücke/Plettenburg/Poock/ 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 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
International Seminar in Economic Geography – Prof. Dr. Martin Henning	Seminar	Henning/Sternberg/Knüpling	5
Quantitative Methods in Empirical Economic Geography	Lecture/Seminar	Nolte/Boyko	10

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
International Seminar in Economic Geography	Seminar	Sternberg	5
Research Project in Economic Geography 1	Seminar	Nolte	10
Research Project in Economic Geography 2	Seminar	Nolte	10

Food Research and Development (Master)

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Food Safety and Quality Management (18201/18202)	Lecture/Seminar	Özge Tirpanalan-Staben	4
Food System Analysis (18098/18080)	Lecture/Seminar	Özge Tirpanalan-Staben	6
Pharmacology and Toxicology (18203)	Seminar	Andreas Hahn	1
Meat Technology (18132/18133)	Seminar/ Practical work	Knut Franke	4
Techniques in Molecular Biology and Genetics (18096)	Lecture	(Ralf Berger)	3

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Food Process Engineering – Experimental exercises (18149)	Practical work	Özge Tirpanalan-Staben / Knut Franke	4
Bakery and Confectionery Technology (18144/18145)	Seminar/Practical work	Knut Franke	4
Current Aspects of the Human Nutrition (18251)	Seminar	Andreas Hahn	2
Bioactives in Food (14166)	Lecture	(Ralf Berger)	3
The Ethics of Agricultural Biotechnology and Food	Seminar	Thomas Reydon	4

Note: further offers from the module catalog can be selected in coordination with the AtK:

<https://www.naturwissenschaften.uni-hannover.de/de/studium/studienangebot/lebensmittelwissenschaft/food-msc/>

Life Science

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
<i>Organic Chemistry (Bachelor)</i>	Lecture / Ü	Cox	6
Technical Chemistry II (<i>Bachelor</i>)	Lecture /Ü/P	Kara	5
Synthesis of complex natural compounds (Master)	Lecture / Seminar	Cox	6
Molecular biology	Seminar	Brüser	3

Summer Term 2022

Title/Module	Type	Lecturer/Persons in charge	ECTS
Technical Chemistry I (<i>Bachelor</i>)	Lecture /Ü/P	Kara	6
Bioprocess engineering (<i>Bachelor</i>)	Lecture/Ü/P	Kara	8
<i>Organic Chemistry II (Bachelor)</i>	Lecture/P	Cox	8
Seminar <i>Organic Chemistry II (Bachelor)</i>	Seminar	Cox	4

Molecular and Applied Plant Science

Winter Term 2022/2023

Master:

Title/Module	Type	Lecturer/Persons in charge	ECTS
Microbial Chemistry	Lecture /seminar /lab exercise	Cox	6
Genome Editing	lecture / seminar / lab exercise	Boch	6
Subcellular Protein Targeting in Plant Cells - Mass Spectrometric and Fluorescence Microscopy Analysis Techniques	lecture / seminar / lab exercise	Offermann, Eubel	6
Functional Imaging and Modelling of the Plant Seed	block (seminar / practical exercise)	Borisjuk, Winkelmann	6
Plant Virology	lecture / lab exercise	Rose	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/ lab exercise	Franke	6
Molecular Aspects of Plant Metabolism (WiSe and SoSe)	lecture / seminar/ lab exercise	Witte	12
Plant Evolution and Physiology upon Environmental Changes Part I	lecture / seminar/ lab exercise	Pfannschmidt	6
Postharvest Physiology of Fruit	lecture / seminar/ practical exercise	Knoche	6
Principles of Systems Modelling	lecture / practical exercise	Stützel	6

Introduction to the Julia Programming Language and Open Source Development / Instructor Track	seminar	Christ	6
Transcriptomics	lecture / seminar/ computer exercise	Franke	6
Machine Learning Fundamentals for Biology	lecture / computer exercise	Rudorf	6
Photonics in Plant Sciences	Lecture /project work	Heinemann	6

Summer Term 2023

Bachelor:

Title/Module	Type	Lecturer/Persons in charge	ECTS
Introduction to Computational Biology	Lecture /computer exercise	Rudorf	6

Master:

Title/Module	Type	Lecturer/Persons in charge	ECTS
Membrane Protein Analysis	lecture/ seminar / lab and theoretical exercise	Braun	6
Biosynthesis and Analytics of Secondary Compounds from Plants	Block (lecture / seminar/ lab exercise)	Papenbrock	6
Cropping Systems Modelling	lecture / practical exercise	Stützel	6
Plant Virology	lecture / lab exercise	Rose	6
Methods in Molecular Plant Breeding	seminar / lab and theoretical exercise	Debener	6
Digital Crop Research Methods	lecture / practical exercise	Stützel	6
Introduction to the Julia Programming Language and Open Source Development / Team Track	lecture / theoretical exercise	Christ	6
Metabolic Engineering	lecture / seminar/ lab exercise	Franke	6
Photobiology of Plant Development and Environmental Acclimation	lecture / seminar/ lab exercise	Pfannschmidt	6
In Vitro Culture Techniques for Plant Breeding and Propagation	seminar /practical and theoretical exercise	Winkelmann	6
Synthetic Biology	lecture / seminar /lab exercise	Boch	6
Phytophotonik	lecture / seminar	Heinemann	6
Biomolecular Chromatography	lecture / lab and theoretical exercise	Gerke	6

Geosciences (Master)

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Experimental geochemistry	Lecture/exercises/seminar	Almeev	7

Isotope geochemistry and mass spectrometry	Lecture/exercises/practical work	Weyer	9
Project / individual work including mineralogical and geochemical mapping	Practical work + report	Holtz, or Weyer, or Mikutta	7
Project / individual work focusing on the application of mineralogical and geochemical analytical methods	Practical work+ report	Holtz, or Weyer, or Mikutta	7
Project / Literature research and scientific writing (focus in mineralogy and geochemistry)	Exercise + report	Holtz, or Weyer, or Mikutta	7

Summer Term 2023

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

Landscape Sciences (Master)

Winter Term 2022/2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Definition und Regionalisierung von Bodeneinheiten	Seminar / Excursion (2 Semester)	Prof. Dr. Georg Guggenberger	6
Ecosystem Services and Human-Environmental Relations	Seminar	Prof. Dr. Benjamin Burkhard	6
Global change & environmental justice	Seminar	Prof. Dr. Nadja Kabisch	6
Scientific Writing in landscape sciences and modelling	Seminar	Prof. Dr. Nadja Kabisch	6
GIS-based landscape and spatial process analysis	Seminar	Dr. Jens Groß	6
Water Resources Systems Analysis	Lecture / Exercise / Seminar	PD Dr.-Ing. Jörg Dietrich	6
Methods for environmental data analysis	Seminar	Dr. Bastian Steinhoff-Knopp	6

Summer Term 2023

Title/Module	Type	Lecturer/Persons in charge	ECTS
Böden als Teile von Ökosystemen	Seminar / Exercise (2 Semester)	Prof. Dr. Georg Guggenberger	9
Hydrological Extremes	Lecture / Exercise	Prof. Dr. Uwe Haberlandt	6
Urban Hydrology	Lecture / Exercise		3
Ecology and Water Quality Management	Lecture / Exercise	PD Dr-Ing. Jörg Dietrich	9
Biodiversity	Lecture / Exercise / Seminar	Prof. Dr. Emily Poppenborg	6