

Lehrveranstaltungen in englischer Sprache im laufenden Studienjahr

LVNR	TITEL	SWS	ECTS
112303	Presenting at a scientific conference (in Eng.)	2	3
112304	Getting to the point: Key messages and abstract writing in science (in Eng.)	2	2
112401	University didactics for doctoral candidates (in Eng.)	1	2
120029	Englische Fachsprache (C1)	2	3
120029	Englische Fachsprache (C1)	2	3
120101	Introduction to academic agricultural English (in Eng.)	2	3
120103	General English brush up (B1+)	2	2
120104	English III (B2): Preparation for stays abroad and standardized language tests	2	2
120105	English IV (B2+): Preparation for English for science and technology	2	2
120306	Internship (in Eng.)	1	3
120998	Security training for studying and field research abroad - raising awareness for critical and emergency	2	2
120999	Intercultural competence - Changing perspectives in a diverse (working) environment (in Eng.)	2	3
180003	Literature research and information literacy - key skills for scientific working (in Eng.)	2	2
730307	Foresights - what future to expect? (in Eng.) (Late lessons from early warnings)	2	3
730403	Integrating sociocultural and economic processes (in Eng.)	2	3
730404	Integrative and Interdisciplinary research forum II (in Eng.)	1.5	2
730406	Research workshop in social ecology I (in Eng.)	1	2
730407	Research workshop in social ecology II (in Eng.)	1	2
730409	Journal club: New research in sustainability sciences (in Eng.)	1	1.5
730410	Writing and presenting interdisciplinary research in sustainability science (in Eng.)	2	4
731137	Working together - Collective action for adaptive natural resource management (in Eng.)	2	3

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731138	Economics of global commons and climate change (in Eng.)	2	3
731139	An introduction to scientific programming (in Eng.)	2	3
731324	Resource and environmental economics (in Eng.)	2	3
731325	Principles of commodity markets and trade policy (in Eng.)	2	3
731328	Valuation methods for natural resources (in Eng.)	2	3
731330	Growth, development, trade and environment (in Eng.)	2	3
731333	Globalisation and rural development (in Eng.)	2	3
731347	Rural development (in Eng.)	2	3
731348	Managerial economics (in Eng.)	2	3
731351	Applied mathematical programming in natural resource management (in Eng.)	2	3
731353	Food and agricultural policies in new institutional economics (in Eng.)	2	3
731369	Computer simulation in energy and resource economics (in Eng.)	2	3
731370	Operations research and system analysis (in Eng.)	2	3
731383	Principles of empirical research methods in the social sciences (in Eng.)	2	3
731386	Agricultural production and policy impact modelling (in Eng.)	2	3
731393	Institutional innovation and sustainability transformation (in Eng.)	2	3
731395	Introduction to development cooperation (in Eng.)	2	3
731396	Economics and sociology of climate solutions (in Eng.)	2	3
731398	Resilience and environmental justice (in Eng.)	2	3
731402	Welfare economic analysis of agricultural policy - theory and applications (in Eng.)	2	3
731406	Doctoral seminar T2S II (in Eng.)	1	1.5
731407	Applied mathematical programming in bio-economics (in Eng.)	2	2
732117	Environmental and energy policy in the EU (in Eng.)	2	3

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732321	Mountain forest policy (in Eng.)	3	4.5
732337	Innovations for sustainable forest management (in Eng.)	3	4
732353	Governments and society in climate emergency (in Eng.)	2	3
733104	Organisational behaviour (in Eng.)	2	3
733119	Corporate sustainability (in Eng.)	2	3
733123	Farm business management and sustainability (in Eng.)	2	3
733124	Introduction to risk management in agriculture (in Eng.)	2	3
733303	Forest resource economics (in Eng.)	3	4.5
733321	Organisational behaviour and gender issues (in Eng.)	2	3
733333	Farming resilience and social sustainability (in Eng.)	3	3
734330	Green logistics (in Eng.)	2	3
734335	Construction logistics (in Eng.)	2	4
735016	FOEBE Fostering entrepreneurship for the bioeconomy	2.5	3
735303	Marketing Projektstudie (in Eng.)	3	3
735315	E-Business in the agriculture and food value chain (in Eng.)	2	3
735318	Decision support systems (in Eng.)	2	3
735322	Global networking (in Eng.)	4	6
735326	Strategic innovation and change management (in Eng.)	2	2
735333	Forest products, marketing and strategy (in Eng.)	2	3
735336	Intercultural communication (in Eng.)	2	3
735339	Marktorientierte Innovationsprozesse	2	3
735341	Market-oriented innovation processes (in Eng.)	2	3
735343	Open innovation strategies (in Eng.)	2	3

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735344	Innovation processes in the forest-based bioeconomy (in Eng.)	1	2
735345	Sustainability-driven entrepreneurship and transformation (in Eng.)	4	6
735401	Innovation & Entrepreneurship – from science to market (in Eng.)	2	3
736302	Patent law and strategic patent management (in Eng.)	2	2
737114	Social ecology: Sustainability of society-nature interactions (in Eng.)	4	6
737302	Climate and resource policy (in Eng.)	2	3
737306	Social ecology and sustainable development (in Eng.)	2	3
737308	Biophysical concepts and methods of social ecology: Introduction (in Eng.)	2	3
737313	Sustainable resource use (in Eng.)	2	3
737314	Land use and global change: Socio-ecological interactions (in Eng.)	2	3
737315	Integrated socio-ecological and climate modeling (in Eng.)	2	3
737316	Environmental and climate justice (in Eng.)	2	3
737320	Guided reading: Long-term socio-ecological research and environmental history (in Eng.)	2	3
737322	Inter- and transdisciplinary approaches and processes (in Eng.)	4	6
737323	Biophysical concepts and methods of social ecology: Practical application (in Eng.)	2	3
737324	Climate change mitigation: A socio-ecological perspective (in Eng.)	4	6
737326	Biodiversity and land use change: A socio-ecological perspective (in Eng.)	2	3
737327	Circular economy: scientific perspectives and implementation challenges (in Eng.)	3	3
737328	Mapping of circular economy agendas in organisations (in Eng.)	3	3
737329	Conceptualizing social-ecological transformations (in Eng.)	2	3
737330	Land use, climate change and biodiversity (in Eng.)	2	3
737331	Long-term socio-ecological research in the Anthropocene (in Eng.)	2	3
737332	Qualitative methods in transformation research (in Eng.)	2	3

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737333	Social metabolism and climate change (in Eng.)	4	6
737334	Society, culture, and politics in historical transformations (in Eng.)	2	3
737335	Socio-ecological methods: Land use accounting (in Eng.)	2	3
737336	Sustainable cities, urban metabolism, and climate change (in Eng.)	4	6
737406	Doctoral seminar in social ecology III (in Eng.)	1	1.5
737407	Doctoral seminar in social ecology IV (in Eng.)	1	1.5
737409	Research seminar in social ecology I (in Eng.)	1	1.5
737410	Research seminar in social ecology II (in Eng.)	1	1.5
737411	Designing interdisciplinary projects in the sustainability science (in Eng.)	2	4
750405	Seminar to basic course I - analysis, design and engineering of proteins (in Eng.)	1	1
750410	Instructional course IB - protein design by directed evolution (in Eng.)	2	3
750417	Journal club BioToP I (in Eng.)	1	1
752001	Selected topics in food sciences (in Eng.)	1	1
752102	Fermentation processes in food industry (in Eng.)	2	2
752311	Biochemical reaction engineering (in Eng.)	2	2
752312	From sequence to structure: prediction, modelling and molecular dynamics of protein structures (in Eng.)	2	3
752313	Practical course in food processing (in Eng.)	3	5
752314	Seminar in food technology (in Eng.)	2	2
752324	Food biotechnology (in Eng.)	4	5
752325	Food packaging technology (in Eng.)	2	3
752332	Processes in enzyme technology (in Eng.)	2	2
752337	Enzyme technology seminar (in Eng.)	2	2
752338	Practical course in enzyme technology (in Eng.)	3	3

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752339	Enzyme engineering (in Eng.)	2	2
752340	Biochemical technology (in Eng.)	2	2
752343	Lebensmitteltechnologische Übungen (in Eng.)	5	5
752344	Structure and function of proteins (in Eng.)	2	2
752345	Enzyme reactions: mechanisms and kinetics (in Eng.)	2	2
752346	Applied biocatalysis (in Eng.)	3	3
752347	Practical course in protein engineering and technology (in Eng.)	5	5
752347	Practical course in protein engineering and technology (in Eng.)	5	5
752348	Master's thesis seminar (in Eng.)	2	2
752400	Journal club BioMatInt III (in Eng.)	1	1
754105	Introduction to chemical food analysis (in Eng.)	2	2
754310	Food authenticity practical course (in Eng.)	2	3
754314	Food safety and risk management (in Eng.)	2	3
754315	Specific and emerging topics in food microbiology (in Eng.)	2	3
754316	Lebensmittelmikrobiologie Übungen für SIFC (in Eng.)	2.5	3
754317	Lebensmittelchemie (in Eng.) (für SIFC)	4	4
754318	Lebensmittelchemie Übungen für SIFC (in Eng.)	2.5	3
754319	Applied quality management practical course for SIFC (in Eng.)	3	5
754320	Reference materials and methods validation in food safety assurance (in Eng.)	2	3
754323	Validation of cleaning processes and hygienic design (in Eng.)	2	3
754325	Food microbiology for SIFC (in Eng.)	3	4
754326	National and international food safety authorities (in Eng.)	2	3
754345	Food toxicology (in Eng.)	2	2

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754354	Fat chemistry and technology (in Eng.)	2	2
770001	Chemical glycobiology (in Eng.)	1	2
770114	Bachelorseminar (in Eng.)	2	12
771004	Dissertantenseminar aus Analytischer Chemie (in Eng.)	2	2
771040	Masterseminar (in Eng.)	2	2
771303	Environmental and biotechnological analysis (in Eng.)	2	3
771317	Separation science and mass spectrometry (in Eng.)	3	3
771318	Laboratory course on separation science and mass spectrometry (in Eng.)	4	4
771319	Determination of provenance and authenticity of food and food products by modern analytical methods (in	2	3
771401	Emerging analytical tools for bioprocesses (in Eng.)	1	1
772003	Masterseminar (in Eng.)	2	2
772007	The molecular mechanisms of cancer immunotherapies (in Eng.)	2	2
772011	Opportunities and challenges in glycoproteome analysis (in Eng.)	1	1
772015	Dissertantenseminar aus Biochemie (in Eng.)	2	2
772016	Selected topics in molecular glycobiology (in Eng.)	2	2
772017	Seminar in glycobiology (in Eng.)	2	2
772300	Biophysical chemistry (in Eng.)	2	3
772304	Protein chemistry and protein engineering (in Eng.)	3	4
772305	Practical course in biochemistry II (in Eng.)	5	5
772306	Proteomics (in Eng.)	2	3
772307	Glycobiology (in Eng.)	2	3
772309	Biochemistry of trace elements (in Eng.)	2	3
772311	Kinetics of biochemical reactions (in Eng.)	2	3

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772328	Methods in protein characterization (in Eng.)	4	4
772329	Prokaryotic glycoconjugates and disease (in Eng.)	2	3
772330	Microbiology and disease (in Eng.)	2	2
772401	Basic course I - analysis, design and engineering of proteins (in Eng.)	2	3
772409	Instructional course IA - Spectroscopic and calorimetric analysis of proteins (in Eng.)	2	3
772418	Journal club BioToP II (in Eng.)	1	1
772419	Doctoral seminar BioToP I (in Eng.)	1	1
773114	Organische Chemie Übungen (in Eng.)	3	3
773300	Masterseminar (in Eng.)	2	2
773310	Bioorganic chemistry (in Eng.)	2	3
773311	Introduction into crystallography and NMR spectroscopy of proteins (in Eng.)	2	3
773316	Modern methods in structural and biochemical analyses (in Eng.)	3	3
773401	Dissertantenseminar aus Organischer Chemie (in Eng.)	2	2
773401	Dissertantenseminar aus Organischer Chemie (in Eng.)	2	2
774011	Current advances in biorefineries (in Eng.)	2	2
774301	Chemie und Technologie nachwachsender Rohstoffe (in Eng.)	2	2
774304	Masterseminar (in Eng.)	2	2
774305	Plant polysaccharide analysis (in Eng.)	2	2
774314	Biopolymers for sustainable utilization (in Eng.)	2	2
774326	Chemicals from biomass (in Eng.)	2	2
774328	Übung zu Green Chemistry I (in Eng.)	6	6
774402	Presenters club (in Eng.)	1	1
774404	Dissertantenseminar Nachwachsende Rohstoffe (in Eng.)	2	2

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774406	Scientific tools for ABC&M I (in Eng.)	2	3
774408	Scientific retreat ABC&M I (in Eng.)	3	4
774410	Data Visualization for communication and exploration (in Eng.)	2	3
790008	Regenerative medicine - from cells to tissues and clinics? (in Eng.)	2	2
790019	Contemporary science: international seminars at VIBT (in Eng.)	1	1
790033	iGEM Vienna @ BOKU (in Eng.)	2	7
790037	Characterisation of blood stem cells as starting cells for biotechnology (in Eng.)	1	1
790040	Emerging and re-emerging viral threats (in Eng.)	2	2
790042	The young life scientist´s guide to -omics: Complex networks, their dissection and everything else (in Eng)	2	3
790046	Human gene therapy: Introduction (in Eng.)	2	2
790047	Dynamic 3D cell culture (in Eng.)	2	2
790049	Masterseminar Angewandte Mikrobiologie (in Eng.)	2	2
790053	Nicht-virale Gentherapie	3	2
790059	Design of experiments (in Eng.)	2	2
790099	How to write and publish a scientific publication (in Eng.)	2	2
790111	Plant biotechnology (in Eng.)	2	3
790123	Fundamentals of bioprocess engineering (in Eng.)	4	6
790125	Selected topics in biotechnology (in Eng.)	1	1.5
790129	Biotechnological products (in Eng.)	2	2
790132	Die Garage (in Eng.)	2	6
790303	Computing skills for biotechnology (in Eng.)	2	2
790304	Strain improvement of microorganisms and higher eukaryotic cells (in Eng.)	2	3
790312	Safety aspects of plant biotechnology (in Eng.)	2	3

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790313	Microbial plant protection (in Eng.)	2	3
790314	Bio informatics (in Eng.)	1	2
790318	Animal cell culture (in Eng.)	2	2
790325	Flow cytometry and cell sorting in biotechnology (in Eng.)	2	3
790327	Practical course in plant biotechnology (in Eng.)	3	4.5
790328	Übung zu Green Chemistry II (in Eng.)	6	6
790333	Biology of aging (in Eng.)	2	3
790350	Bioprocess engineering I (in Eng.)	3	4
790351	Cell factories (in Eng.)	3	4
790353	Quality management in biotechnology (in Eng.)	3	3
790355	Introduction to metabolic modelling (in Eng.)	2	2
790356	Metabolic and cell engineering (in Eng.)	2	2
790357	Up- und downstream-processing (in Eng.)	3	3
790358	Bioprocess engineering II (in Eng.)	3	4
790359	Bioprocess engineering laboratory (in Eng.)	5	5
790360	Products and processes in biotechnology (in Eng.)	2	2
790361	Crop plant science (in Eng.)	2	2
790363	Immuno- and vascular biology in health and disease (in Eng.)	2	2
790364	Preclinical studies (in Eng.)	1	1
790365	Clinical studies (in Eng.)	1	1
790367	Stem cells and tissue engineering (in Eng.)	3	3
790368	Biological therapeutics (in Eng.)	2	2
790369	Practical course in cell culture and fermentation (in Eng.)	3	3

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790370	Mechanisms of cell regulation in biotechnology (in Eng.)	2	2
790371	Automation of bioprocesses (in Eng.)	2	3
790377	Seminar in biotechnology (in Eng.)	2	2
790379	Using bioinformatics for expression profiling by next generation sequencing (in Eng.)	2	2
790380	Engineering of biotechnological production facilities (in Eng.)	2	2
790381	Essentials for bioinformatics data analysis (in Eng.)	2	3
790382	High throughput sequencing and genome analysis (in Eng.)	3	3
790383	Bioinformatics: Selected aspects (in Eng.)	3	3
790384	Machine learning and pattern recognition for bioinformatics (in Eng.)	3	4
790385	Bioinformatics lab rotation (in Eng.)	2	2
790386	Fundamentals of environmental biotechnology (in Eng.)	2	3
790388	Bayesian data analysis in the life sciences (in Eng.)	3	4
790389	Modern bioinformatics (in Eng.)	2	2
790390	Molecular evolution and phylogenetics (in Eng.)	1	1
790392	Microbial ecology (in Eng.)	2	2
790393	Antibodies and beyond - emerging fields in antibody engineering (in Eng.)	2	2
790394	Sequencing data analysis (in Eng.)	3	3
790395	Infectious diseases and vaccines (in Eng.)	2	2
790396	Introduction to programming (in Eng.)	2	3
790397	Protein engineering (in Eng.)	3	3
790398	Antibody engineering (in Eng.)	3	3
790400	Dissertantenseminar aus Angewandte Mikrobiologie (in Eng.)	2	2
790402	Synthetic protein biotechnology (in Eng.)	1	1

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790404	Lab rotation BioMatInt (in Eng.)	1.5	2
790405	Review, Revision & Resubmission for Doctoral Candidates (in Eng.)	2	2
790414	Instructional course IIIB - applied virology (in Eng.)	2	3
790416	Instructional course IVB - next-generation sequencing (in Eng.)	2	3
790430	3D cell culture (in Eng.)	2	2
790431	Pilot plant BioproEng (in Eng.)	8	8
790433	Journal club BioproEng I (in Eng.)	0.5	0.5
790434	IP-project management BioproEng (in Eng.)	0.5	0.5
790435	Scientific writing BioproEng (in Eng.)	0.5	0.5
790436	Interaction with biotech industry BioproEng (in Eng.)	1	1
790438	Biothermodynamics (in Eng.)	2	2
790439	Doctoral seminar BioproEng II (in Eng.)	0.5	0.5
790440	Linux skills for AgriGenomics (in Eng.)	1	1
790441	Data analysis skills for AgriGenomics (in Eng.)	2	2
790442	Analysis of high-throughput sequencing data for AgriGenomics (in Eng.)	2	2
800401	Dissertantenseminar Bionanowissenschaften	2	2
802005	Surface chemistry (in Eng.)	1	1
802008	Fundamentals of colloid and interface science (in Eng.)	2	2
802300	Biological nanosciences and nanotechnology (in Eng.)	2	2
802301	Biomaterial interfaces and interactions (in Eng.)	3	4
802402	Seminar biologically inspired materials and interfaces (in Eng.)	2	2
803110	Biointerfaces, biomaterials and biophysics in nanobiosciences (in Eng.)	2	2
803301	Biophysics (in Eng.)	3	4

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803303	Physical chemistry (soft matter dynamics) (in Eng.)	2	3
803304	Seminar in nanobiosciences and nanotechnology I (in Eng.)	2	2
803400	Doctoral seminar BioMatInt III (in Eng.)	1	1
803402	Seminar Biological Physics I (in Eng.) (Mathematics and classical physics)	2	2
803403	Seminar Biological Physics II (in Eng.) (Mathematics and modern physics)	2	2
803404	Scientific skills: Posters, talks, manuscripts, thesis and grant proposals (in Eng.)	2	2
803405	Journal club II Build.Nature (in Eng.)	1	1
804001	Selected topics in biomimetic membrane technology (in Eng.)	2	2
804302	Biomimetic model lipid membranes (in Eng.)	2	3
804304	Synthetic bioarchitectures (in Eng.)	3	4
804310	Synthetic biology (in Eng.)	2	2
804402	Seminar synthetic biology (in Eng.)	2	2
810301	Structural exercises (in Eng.)	4	6
810402	Integrating landscape and aquatic ecology (in Eng.)	2	3
810403	Integrating different aspects of engineering sciences (in Eng.)	2	3
810406	Integrative and interdisciplinary research forum I (in Eng.)	1.5	2
810407	HR21 Doctoral seminar III (in Eng.)	1	1
810409	HR21 Doctoral seminar IV (in Eng.)	1	1
810411	Writing interdisciplinary papers: A hands-on course (in Eng.)	2	4
811308	Appropriate technologies for water supply & sanitation in developing countries (in Eng.)	2	3
811332	Water resources management in developing cooperation (in Eng.)	2	3
811354	Case studies in sanitary engineering (in Eng.)	3	3
811357	Biology, chemistry and microbiology for civil engineering (in Eng.)	2	3

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811358	Planning and design in water supply and wastewater treatment (in Eng.)	2	3
811360	Modelling in sanitary engineering (sewer, treatment plant and receiver) (in Eng.)	3	4.5
811362	On site solutions for water supply and sanitation (in Eng.)	2	3
811363	Industrial water management (in Eng.)	2	3
811365	Water supply and wastewater treatment (in Eng.)	2	3
812084	Master's thesis seminar (in Eng.)	2	3
812101	Allgemeine Hydrobiologie - Übungen (in Eng.)	2	2
812102	Hydrobiology (in Eng.)	2	3
812109	Hydrobiology (in Eng.)	2	2
812303	Research proposal (in Eng.)	2	3
812315	Restoration and conservation of riverine landscapes (in Eng.)	3	3
812316	Aquaculture in practice - lectures and field trips (in Eng.)	2	2
812317	Recreation in riverine landscapes (in Eng.)	2	3
812318	Environmental history of river systems (in Eng.)	2	3
812327	Interdisciplinary concepts of river-society interactions (in Eng.)	2	3
812331	Internship seminar (in Eng.)	1	4
812332	Aquatic ecosystem science and application (in Eng.)	1	2
812340	Limnology (in Eng.)	2	3
812341	Limnochemistry and nutrient cycling (in Eng.)	2	3
812343	Taxonomy and ecology of benthic invertebrates (in Eng.)	2	3
812344	Ecology of fishes (in Eng.)	2	3
812345	Physical environment of riverine landscape (in Eng.)	1.5	2
812346	Ecology of aquatic systems (in Eng.)	2	3

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812347	Human impacts in riverine landscapes (in Eng.)	1.5	2
812348	Water legislation (in Eng.)	1	2
812349	Ecological river landscape management (in Eng.)	1	2
812351	Scientific reading and presentation in aquatic ecology (in Eng.)	2	3
812352	Statistical analyses of ecological data (in Eng.)	2	3
812353	River habitat and landscape assessment (in Eng.)	2	4
812354	Ecohydromorphological mapping (in Eng.)	2	2
812355	Fish sampling and monitoring (in Eng.)	2	3
812356	Fish ecological status assessment (in Eng.)	2	3
812357	Benthic invertebrate sampling and monitoring (in Eng.)	2	3
812358	Benthic invertebrate status assessment (in Eng.)	2	3
812359	Ecology of algae (in Eng.)	1.5	2
812360	Ecology, restoration and conservation of aquatic and riparian vegetation (in Eng.)	1	2
812371	GIS in riverscape planning (in Eng.)	1.5	2
812372	Fish passes and continuity (in Eng.)	1.5	2
812376	Fish parasitology and pathology (in Eng.)	1	2
812377	Fisheries management and conservation (in Eng.)	2	2
812378	Fish farming and aquaculture (in Eng.)	1	2
812380	Multi-scale modelling and system dynamics in aquatic ecosystems (in Eng.)	1.5	2
812381	Aquatic habitat modeling (in Eng.)	1.5	2
812384	Aquatic biomonitoring and -assessment (in Eng.)	1	2
812385	Restoration and conservation of riverine landscapes I (in Eng.)	3	4
812386	Restoration and conservation of riverine landscapes II (in Eng.)	1	2

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812387	Environmental impacts on riverine ecosystems I (in Eng.)	3	4
812388	Environmental impacts on riverine ecosystems II (in Eng.)	1	2
812391	Methods in aquatic carbon cycling and microbiology (in Eng.)	3	4
812392	Water quality aspects in river restoration (in Eng.)	1.5	2
812394	Taxonomy and evolution of European fish communities (in Eng.)	2	3
812396	Ecology and taxonomy of selected invertebrate groups II (in Eng.)	2	3
812397	Applications in river landscape management and conservation (in Eng.)	3	3
812398	Data mining and data management in aquatic ecology (in Eng.)	1	3
813003	Processes and technologies for waste management (in Eng.)	1	1
813005	Methodology in waste logistics research (in Eng.)	1	1
813006	Sustainability Assessment (in Eng.)	2	3
813300	Global waste management I (in Eng.)	2	3
813301	Global waste management II (in Eng.)	2	3
813303	Planning and assessment of waste management systems (in Eng.)	2	3
813304	Life cycle management (in Eng.)	2	2
813307	Waste management seminar (in Eng.)	3	4.5
813310	Deconstruction, reuse and recycling (in Eng.)	3	4
814004	Pflanzenwachstums- und Ertragsmodelle in der Landwirtschaft (in Eng.)	1	1
814030	Summer School: Alternative Economic and Monetary Systems (in Eng.)	5	5
814101	Atmospheric pollution and climate change (in Eng.)	3	3
814300	Master seminar (in Eng.)	2	3
814301	Meteorological conditions and precipitation (in Eng.)	2	3
814304	Agrometeorology (in Eng.)	2	3

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814307	Selected projects in meteorology (in Eng.)	2	3
814308	Agriculture, climate change and transition (in Eng.)	3	3
814309	Climate change scenarios and regional impact (in Eng.)	2	3
814310	Weather, climate, and society (in Eng.)	2	3
814311	Urban climate and environmental meteorology (in Eng.)	3	3
814312	Urban climate and environmental meteorology (in Eng.)	2	3
814313	Agrometeorology in practice (in Eng.)	3	3
814328	Meteorological hazards and climate extremes (in Eng.)	2	3
814329	Meteorological data analysis and visualization (in Eng.)	2	3
814330	Grand challenges in climate research (in Eng.)	2	3
814331	Interfacing climate and climate models (in Eng.)	1	2
814332	Fundamentals of the climate system (in Eng.)	2	3
814333	The climate crisis as a grand challenge in the Anthropocene (in Eng.)	2	3
814334	Aerosols, radiation, clouds, and climate (in Eng.)	2	3
814335	Atmospheric and climate modelling (in Eng.)	3	3
814336	Atmospheric chemistry and climate (in Eng.)	2	3
814337	Climate dynamics (in Eng.)	2	3
814338	Climate lab (in Eng.)	2	3
814339	Projects in climate science and transformation (in Eng.)	4	6
814340	Theories and methods in the field of the thesis research (in Eng.)	2	3
814401	Climate change: understanding the forecast (in Eng.)	1	1
815000	Introduction in hydraulics, water and waste management (in Eng.)	2	3
815111	Exkursion zu landeskultureller Wasserwirtschaft (in Eng.)	1	1

LVNR	TITEL	SWS	ECTS
815112	Fachexkursion UBRM - Exkursion aus landeskultureller Wasserwirtschaft (in Eng.)	1	1
815311	Simulation in vadose zone environment (in Eng.)	2	3
815319	Irrigation design (in Eng.)	2	3
815320	Soil water management (in Eng.)	2	3
815321	Soil conservation (in Eng.)	2	3
815326	Applied methods of rural water management in the tropics and subtropics (in Eng.)	2	3
815328	Isotope and tracer hydrology (in Eng.)	2	3
815329	Selected methods of soil analysis (in Eng.)	3	4
815340	Lecture series in soil, water and atmosphere (in Eng.)	2	3
815342	Rural water management (advanced) (in Eng.)	3	3
815343	Field trip - rural water management (in Eng.)	1	1
815344	Soil physical modeling with python (in Eng.)	3	4
815345	Soil erosion models and their application (in Eng.)	3	3
816342	Possible impacts of climate change on water resources (in Eng.)	2	3
816352	Hydrological processes and water resources management (in Eng.)	2	3
816353	Übungen zu Hydrologie und Wasserwirtschaft II (in Eng.)	1	1.5
816356	Advanced topics on hydrology (in Eng.)	2	3
816357	Application of GIS in hydrology and water management (in Eng.)	2	3
816359	Hydrological field studies (in Eng.)	3	3
816361	Development cooperation in the water sector (in Eng.)	1	1
816362	Selected topics of climate change on water resources (in Eng.)	2	3
816404	Remote sensing hydrology (in Eng.)	2	3
818050	Methoden und Konzepte der Risikoforschung I (in Eng.)	1	2

LVNR	TITEL	SWS	ECTS
818059	Nukleare Sicherheit und Anwendungsfelder der Risikowissenschaften I (in Eng.)	2	2
818110	Bio- und Nanotechnologie – eine Einführung in die Technikfolgenabschätzung	2	3
818306	Radioactive waste management – its perception and acceptance I (in Eng.)	1	2
818307	Radioactive waste management – its perception and acceptance II (in Eng.)	1	2
818308	Technology assessment and risk management considering wind power plants (in Eng.)	2	3
818343	Environmental risk analysis and management (in Eng.)	2	3
819301	Hydraulic engineering and river basin management (in Eng.)	2	3
819326	Konstruktiver Wasserbau und Flussgebietsmanagement (in Eng.)	3	3
819332	Computer based river modelling (in Eng.)	2	3
819336	Integrated flood risk management (in Eng.)	2	3
819339	Sediment regime and river morphology (in Eng.)	2	3
819340	Ecologically oriented methods and monitoring in river engineering (in Eng.)	2	3
830301	Masterseminar	2	2
830401	Dissertantenseminar	2	2
831018	Inside plants (in Eng.)	2	3
831123	Botany (UBRM) (in Eng.)	2	3
831146	Bau der Pflanze (in Eng.)	2	2
831147	Botanik-Übungen - Anatomie (AW) (in Eng.)	1	1
831302	Methoden zur Untersuchung der Stressresistenz von Pflanzen (in Eng.)	2	3
831304	Ecology and population biology of plants in agro-ecosystems (in Eng.)	3	5
831312	Plant and environment (in Eng.)	2	3
831313	Water relations of plants (in Eng.)	2	3
831315	Multivariate Analytik ökologischer Datensätze (in Eng.)	2	3

LVNR	TITEL	SWS	ECTS
831316	Multivariate Analytik ökologischer Datensätze (in Eng.)	1	1.5
831331	Stressphysiologie der Pflanzen (in Eng.)	2	2
831338	Plant populations and conservation genetics (in Eng.)	1	1
831340	Biodiversity, ecosystems, and climate crisis (in Eng.)	2	3
831341	Interrelations between biodiversity and climate change (in Eng.)	2	3
831344	Global change aspects in crop production (in Eng.)	2	3
832007	Genetics in game management and wildlife conservation (in Eng.)	1	2
832012	(Eco-) tourism & management of protected areas (in Eng.)	2	3
832301	Schutzgebietsmanagement und Wildtiere in Mitteleuropa (in Eng.)	1	1.5
832302	Human dimensions in wildlife research & management (in Eng.)	1	1.5
832311	Wildlife-based conflicts and their management (in Eng.)	1	1.5
832321	BOKU International wildlife lectures (in Eng.)	2	3
832333	Verhaltens- und Populationsökologie	3	4.5
832342	Natural resources management in mountainous areas III - wildlife problems (in Eng.)	1.5	2
832346	Compulsory internship seminar (in Eng.)	3	3
832349	Collaborative decision analysis for wildlife management (in Eng.)	2	2
833301	Soil ecology (in Eng.)	2	3
833313	Scientific writing (in Eng.)	1	1.5
833314	Stadtökologie (in Eng.)	2	3
833315	Farmland ecology (in Eng.)	1	1
833317	Formulation of questions and experimental design in ecological research (in Eng.)	3	4.5
833319	Seminar in global change and ecosystems (in Eng.)	1	2
833402	Scientific writing for doctoral candidates	2	2

LVNR	TITEL	SWS	ECTS
834002	Conservation biology (in Eng.)	3	3
834012	Molecular ecology laboratory project (in Eng.)	2	3
834013	Biodiversity, what is it good for? (in Eng.)	1	1
834101	Conservation biology (UBRM) (in Eng.)	2	2
834310	Conservation genetic analysis methods (in Eng.)	1	1
834311	Evolutionary biology and its applications (in Eng.)	3	3
834312	Conservation genetic lab (in Eng.)	2	2
834313	Phylogenetic principles in genetic and genomic analysis (in Eng.)	2	3
834321	Biocultural diversity in rural landscapes (in Eng.)	2	3
835001	Research seminar in mathematics (in Eng.)	1	1
835003	Mathematics for engineers (in Eng.)	2	3
850102	Berufsbegleitendes Praxisseminar (in Eng.)	1	3
851016	First Steps with R (in Eng.)	1	1
851300	Statistische Datenanalyse mit SPSS (in Eng.)	2	3
851309	Statistics with R (in Eng.)	2	2
851311	Environmental statistics (in Eng.)	2	3
851314	Applied mathematics and biostatistics (in Eng.)	2	2
851315	Applied mathematics and biostatistics exercises (in Eng.)	1	1
851320	Statistics of extreme events and geostatistics (in Eng.)	2	3
851323	Multivariate statistics (in Eng.)	2	3
851324	Big data (in Eng.)	1	2
851325	Exploratory data analysis with R (in Eng.)	2	3
851401	Introduction to statistical learning with R (in Eng.)	2	3

LVNR	TITEL	SWS	ECTS
851402	Instructional course IVD - applied statistics for life sciences (in Eng.)	2	3
852302	Aktuelle Landschaftsarchitektur (in Eng.)	2	3
852304	Entwurfworkshop	2	2
852304	Entwurfworkshop (in Eng.)	2	2
852310	Freies Zeichnen (in Eng.)	2	3
852316	Global design studio (in Eng.)	4	6
852319	Science and technology studies: Understanding sustainable innovation (in Eng.)	2	3
852323	Contemporary urbanism (in Eng.)	2	2
852328	Interaction between buildings and open space and gender aspects (in Eng.)	2	2
852342	Planting design and horticultural ecosystem management (in Eng.)	2	3
853010	Geographic Information Systems (GIS) in education for sustainable development (in Eng.)	1	2
853011	Diversity, equity and inclusion in protected areas and natural resource management	2	3
853313	Rural tourism (in Eng.)	2	2
853325	Planning for nature based tourism (in Eng.)	2	2
853414	Sustainability: Theories and challenges for doctoral candidates (in Eng.)	2	2
854106	Economics and politics of natural resources (in Eng.)	2	2
854305	Ausgewählte Aspekte der Landschaftsplanung	2	3
854318	Ordnungsplanerisches Projekt (Landschaftsplanung, Erholungsplanung, Naturschutzplanung, Raumplanung,	5	7
854319	Schwerpunktprojekt zur Landschaftsplanung (in Eng.)	6	9
854323	Climate change and global aspects in planning and spatial development (in Eng.)	4	6
854325	Planungsinstrumente der Landschafts- und Freiraumplanung (in Eng.)	2	3
854328	Exkursion zu Landschaftsplanung II	2	3
855107	Introduction to urbanism (in Eng.)	2	2

LVNR	TITEL	SWS	ECTS
855330	Energy and resource-efficient spatial planning (in Eng.)	3	4
855331	Sustainable spatial development and energy transition (in Eng.)	4	6
856011	Introduction in urban planning and human behaviour analysis in virtual environments (in Eng.)	2	2
856021	Introduction to human behaviors and choice analysis (in Eng.)	2	2
856027	Internationales Praktikum der Verkehrsplanung (in Eng.)	2	3
856049	Traffic and transport planning - selected topics (in Eng.)	2	2
856111	Fuß- und Radverkehr - Pedestrian and bicycle traffic (in Eng.)	1	1.5
856306	Traffic and transport planning (in Eng.)	2	3
856322	System analysis, strategic planning and policy modelling with system dynamics (in Eng.)	2	3
856323	Applied system dynamics modelling in transport (in Eng.)	2	3
856324	Introduction to research methods in transport analysis (in Eng.)	2	2
857300	Geodatenmanagement (in Eng.)	2	3
857304	Remote sensing and image processing (in Eng.)	4	6
857316	International land management (in Eng.)	1	1.5
857320	Remote sensing and GIS in natural resource management (in Eng.)	2	3
857321	Remote sensing and GIS in natural resource management (in Eng.)	2	3
857323	Advanced methods in remote sensing: Machine learning and cloud computing (in Eng.)	2	3
870305	Structural exercises (in Eng.)	4	6
870405	HADRIAN Doctoral seminar III (in Eng.)	1	1.5
870406	HADRIAN Doctoral seminar IV (in Eng.)	1	1.5
870407	Integrative and interdisciplinary research methods for natural hazards and risks I (in Eng.)	2	3
870408	Integrative and interdisciplinary research methods for natural hazards and risks II (in Eng.)	2	3
871004	Snow and avalanches - field methods (in Eng.)	2	2

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871005	Schnee und Lawinengefahren - Feldpraktikum	2	2
871314	Protection and mitigation measures against natural hazards (in Eng.)	2	3
871324	Mountain hazard processes (in Eng.)	4	6
871327	Mountain risk engineering (in Eng.)	4	6
871328	Physics of snow (in Eng.)	3	3
871331	Cost/benefit analysis (in Eng.)	2	3
871332	Disaster management (in Eng.)	1.5	2
871358	Dynamics of geophysical flows (in Eng.)	2	3
871360	Risk management and vulnerability assessment (in Eng.)	2	3
871365	Simulation models in natural hazards analysis (in Eng.)	2	3
871373	The role of forests in mountain risk engineering (in Eng.)	2	2
872000	GIS and remote sensing in geosciences (in Eng.)	2	2
872101	Geology and Geomorphology (in Eng.)	2	2
872314	Angewandte Geophysik für die Ingenieurwissenschaften (in Eng.)	2	3
872318	Climate change impacts on hazards in mountain regions (in Eng.)	2	3
872323	Geothermal energy – Geological fundamentals and applications (in Eng.)	2	3
872330	Hydrogeology (in Eng.)	2	3
872331	Hydrogeological excursion (in Eng.)	1	1
872333	Sustainable design and use of mineral based materials (in Eng.)	1.5	2
872334	Green geo-environments (in Eng.)	3	3
872335	Green geo-resources (in Eng.)	2	3
873110	Geotechnical and geoenvironmental engineering (in Eng.)	2	2
873111	Fachexkursion zu Erd- und Grundbau	2	2

LVNR	TITEL	SWS	ECTS
873302	Slope engineering (in Eng.)	2	2
873320	Geotechnics (in Eng.)	2	3
874300	Soil and water bioengineering - principles and applications (in Eng.)	2.5	3
874323	Building greenery: functions and basic technologies for roof and facade greening (in Eng.)	2	3
874325	Irrigation technologies and management (in Eng.)	1	1.5
874332	Building like nature & using nature based materials (in Eng.)	2	2
874333	Use of plants: integrated design of architecture and greenery (in Eng.)	2	3
874334	Modular system and substrate technologies (in Eng.)	1	1.5
874335	Basics in urban green infrastructure and nature-based solutions (in Eng.)	2	3
875335	Safety and reliability of structures (in Eng.)	3	3
875339	Experimental testing on construction materials (in Eng.)	4	6
875342	Finite element methods for structures (in Eng.)	2	3
875343	Finite element methods for advanced structures (in Eng.)	2	3
876301	Advanced BIM (in Eng.)	3	3
876302	Lean construction management (in Eng.)	3	3
876332	Sustainable design and construction (in Eng.)	3	3
876333	Digital design and automated construction (in Eng.)	4	6
876337	Sustainable design and construction (in Eng.)	2	3
876353	Advanced structural timber engineering (in Eng.)	4	4
876400	Understanding Build.Nature (in Eng.)	4	4
876401	Cycle of materials, construction, building and resilience (in Eng.)	2	2
876402	PhD Excursion Build.Nature (in Eng.)	4	4
890301	Masterseminar (in Eng.)	2	2

LVNR	TITEL	SWS	ECTS
890302	Masterseminar Materialien und Prozesse (in Eng.)	2	2
890400	Dissertantenseminar Holzforschung	2	2
890401	Dissertantenseminar Materialien und Prozesse (in Eng.)	2	2
891011	Current challenges and trends targeting wood industry (in Eng.)	2	2
891103	Wood chemistry (in Eng.)	2	3
891105	Wood physics (in Eng.)	3	4
891119	Utilisation of renewable materials (in Eng.)	2	3
891301	Wood industries and products (in Eng.)	2	3
891325	Research design (in Eng.)	2	2
891326	Wood industrial processes: solid wood processing (HTM) (in Eng.)	3	3
891327	Wood-industrial processes: Wood- and fibre-based materials (in Eng.)	2	2
891333	Composite (in Eng.)	2	2
891334	Engineered wood products (in Eng.)	2	2
891336	Wood materials modification (in Eng.)	2	2
891338	Wood and fibre quality (in Eng.)	2	2
891341	Werkzeug- und Maschinensysteme (in Eng.)	2	2
891343	Adhesive technology (in Eng.)	2	2
891347	Product design (in Eng.)	2	2
891354	Wood industrial processes: solid wood processing (GBE) (in Eng.)	2	2
891401	Biorefinery II (in Eng.)	2	3
891402	Scientific tools for ABC&M II (in Eng.)	2	3
891403	Scientific tools presenters club ABC&M (in Eng.)	1	1
891404	PhD Excursion ABC&M (in Eng.)	4	4

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891407	Doctoral Seminar II Build.Nature (in Eng.)	1	1
892003	Principles of optics and applications in materials science (in Eng.)	2	2
892110	Biomaterials (in Eng.)	2	2
892304	Scattering techniques in nanomaterials science (in Eng.)	2	2
892306	Building physics (in Eng.)	3	3
892313	Building physics (in Eng.)	2	3
892325	Bionics - technical solutions from nature (in Eng.)	2	2
892326	Mechanical and physical behaviour of materials (in Eng.)	4	4
892327	Bionic design (in Eng.)	1.5	2
892328	Sustainable materials engineering (in Eng.)	3	3
892329	Recent advances in sustainable materials engineering (in Eng.)	2	3
892401	Structural characterization (in Eng.)	2	2
892403	Biomaterials & Biointerfaces (in Eng.)	4	4
893127	Air pollution control (in Eng.)	2	3
893306	Practical course in energy engineering (in Eng.)	3	3
893308	Applied measurement and control systems (in Eng.)	2	3
893311	Renewable energy resources (in Eng.)	2	3
893312	Process simulation (in Eng.)	2	2
893314	Mechanical and thermal process technology II (in Eng.)	2	2
893315	Refrigeration and air-conditioning (in Eng.)	3	3
893325	Practical course in measurement systems and applied programming (in Eng.)	3	3
893327	Seminar in energy and process engineering (in Eng.)	2	2
893329	Fluidization engineering (in Eng.)	3	4

LVNR	TITEL	SWS	ECTS
893330	Energy efficient heating, cooling and hot water supply of buildings (in Eng.)	3	3
893331	Building technology and smart building engineering (in Eng.)	3	3
893332	Simulation and optimisation of energy efficiency and renewable energy systems in buildings (in Eng.)	4	4
893333	Fundamentals in- and application of PV-technology to non-domestic buildings (in Eng.)	2	2
893360	Energy engineering (in Eng.)	2	3
893401	Applied computational fluid dynamics (in Eng.)	2	2
893402	Journal club BioproEng III (in Eng.)	0.5	0.5
894003	Programming with Python (basic) (in Eng.)	2	3
894004	Programming with Python (advanced) (in Eng.)	2	3
894101	Introduction to bioinformatics (in Eng.)	2	2
894307	Statistical thermodynamics and molecular simulation (in Eng.)	3	3
894308	Modelling and simulation of biomolecules (in Eng.)	3	3
894497	Scientific writing (BioToP) (in Eng.)	2	2
894498	Improve your presentation skills I (in Eng.)	2	2
894499	Improve your presentation skills II (in Eng.)	2	2
910402	Seminar AgriGenomics IV (in Eng.)	0.5	0.5
911005	Writing workshop (in Eng.)	1	1
911014	Soil science refresher (in Eng.)	2	3
911300	Soil physics and chemistry (in Eng.)	2	3
911301	Soil protection (in Eng.)	2	3
911304	Soil indicators (in Eng.)	2	3
911306	Soils in the landscape (in Eng.)	1	1
911309	Soil chemistry laboratory (in Eng.)	2	3

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911312	Rhizosphere processes and application to agriculture and soil protection (in Eng.)	2	3
911314	Molecular microbial ecology of soils (in Eng.)	2	3
911317	Soil properties and processes for ecological engineering (in Eng.)	2	3
911321	Field course soil ecology (in Eng.)	2	3
911322	Role of soils in nature conservation and wildlife management (in Eng.)	1	1.5
911324	Soil management in tropical and subtropical developing regions (in Eng.)	2	3
911325	Specific methods in soil analysis (in Eng.)	1	1
911326	Specific methods in soil analysis (in Eng.)	1	1
911327	Soils and global change (in Eng.)	2	4
911331	Ecosystem dynamics and their effect on greenhouse gases (in Eng.)	2	3
911333	Soil microbiology course (in Eng.)	3	4
911334	Die Bodenstruktur: Entstehung, Funktion und Veränderungen durch landwirtschaftliche Nutzung	3	4
911336	Soil pollution and remediation (in Eng.)	2	3
911341	Biogeochemistry of soils (in Eng.)	3	3
911342	Soils and food security (in Eng.)	1	2
911343	In-situ treatment of polluted soils and sediments: phytoremediation, in-situ fixation and attenuation	3	3
911344	Ecology and management of the rhizosphere in ecological engineering (in Eng.)	3	3
911346	Description, functions of soil structure and its changes in agricultural landuse (in Eng.)	3	3
911347	Soil problems in aridic and semiaridic regions (in Eng.)	2	3
911348	Forest soil biology (in Eng.)	2	3
911350	Soils of the world: genesis and classification (in Eng.)	2	3
911352	Summer school - Assessment of soil change under global change (in Eng.)	3	3
911353	Introduction in natural resources management and ecological engineering (in Eng.)	3	3

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911354	Stable isotopes (C, N, S, O, H) in soil and environmental sciences (in Eng.)	3	3
911355	Environmental management in Europe (E-Learning, European environmental law and administration) (in	2	7.5
911356	Soil resources in green building engineering (in Eng.)	4	6
911358	Soil - plant science workshop: From the hypothesis to publication II (in Eng.)	3	3
911359	IMSOGLO Internship (in Eng.)	1	3
912112	Scientific skills (in Eng.)	1	1
912122	Sustainable land use in developing countries (in Eng.)	3	3
912314	Mountain forest climatology and headwater hydrology (in Eng.)	3	4.5
912317	Air pollution effects on forest ecosystems (in Eng.)	2	3
912326	Bergwaldökosysteme	2	3
912328	Agroforestry in mountain regions (in Eng.)	2	3
912330	Mountain forest dynamics and fire ecology (in Eng.)	3	3
912331	Mountain forest soils and forest nutrition (in Eng.)	2	2.5
912332	Field camp II - concepts and methods of site ecology, forest growth and yield (in Eng.)	2.5	3
912333	Scientific methods and writing skills (in Eng.)	1	1
912334	Chemistry for forestry (in Eng.)	1	1
912336	Mountain forest climatology and headwater hydrology (in Eng.)	3	2.5
912337	Biodiversity and conservation of mountain forests (in Eng.)	1	2
912339	Vegetation dynamics and fire ecology (in Eng.)	3	3
912340	Ökologie von Wurzeln & Mykorrhiza I (in Eng.)	2	3
912341	Ökologie von Wurzeln & Mykorrhiza II (in Eng.)	2	3
912342	Sustainable land use in developing countries (in Eng.)	3	3
912343	Climate-forest interactions (in Eng.)	2	3

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913008	Modellierung tropischer Ökosysteme	2	2
913045	Vegetation modelling (in Eng.)	2	2
913302	Decision support systems (in Eng.)	2	3
913311	Multiple criteria decision making in natural resource management (in Eng.)	2	3
913324	Adapting forest management to climate change (in Eng.)	1.5	2
913326	Project management for rural development in the global south (in Eng.)	3	2
913327	Fire management in mountain forest ecosystems - prophylaxis and control (in Eng.)	1.5	2
913335	DNA Analyse auf Populationsebene (in Eng.)	2	2
913338	Natural resource management in mountain forests (in Eng.)	4	4
913339	Modelling of mountain forest ecosystems (in Eng.)	2	2.5
914049	Statistical growth models (in Eng.)	2	2
914111	3P-Sampling (in Eng.)	1.5	2
914308	Methods of data collection, management and analysis (in Eng.)	1.5	2
914309	Forest inventory (in Eng.)	3	3
914400	Scientific skills: Research design including statistical tools (in Eng.)	2	2
914402	Forest resource monitoring with terrestrial laser scanning (in Eng.)	2	4
915187	Interdisziplinäre Projektstudien (in Eng.)	4	4
915300	Field camp III - integrated forest management applications (in Eng.)	2.5	3
915301	Harvesting systems for mountainous regions (in Eng.)	2	2
915302	Road network planning (in Eng.)	3	3
915320	Cable yarding project (in Eng.)	1	1.5
915327	Project management (in Eng.)	2	3
915334	Timber harvesting (in Eng.)	1	1

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915344	Technology assessment (in Eng.)	2	3
915345	CAD - computer aided design (in Eng.)	1	1
916121	Genetische Grundlagen der Biodiversität (in Eng.)	1	1
916122	Genetische Aspekte von pathogenen Organismen in Waldökosystemen (in Eng.)	1	1.5
916306	Demonstration von genetischen Markern und deren Auswertung (in Eng.)	2	3
916308	Forest protection (in Eng.)	2	2
916309	Genetik in der angewandten Entomologie (in Eng.)	2	3
916321	Transgene Organismen zur Bekämpfung von Pflanzenschädlingen (in Eng.)	2	3
916322	Transgene Organismen zur Bekämpfung von Pflanzenschädlingen (in Eng.)	1	1.5
916323	Field camp I - introduction to mountain forestry and forest sciences (in Eng.)	3	2
916326	Management and forest protection in high altitude afforestations and protective forests (in Eng.)	2	3
931300	Agricultural engineering in plant production - seminar (in Eng.)	3	4
931305	Post-harvest technology (in Eng.)	2	3
931315	Post-harvest technology (in Eng.)	1.5	2
931322	Technology in organic agriculture (in Eng.)	2	3
931362	Production systems and atmospheric pollution (in Eng.)	2	3
932010	Dynamic modelling of livestock farming systems (in Eng.)	2	2
932011	Journal club Tierhaltung	2	2
932013	Management and analysis of high density genomic data (in Eng.)	3	4
932018	Nutrient balancing in livestock farming (in Eng.)	2	3
932302	Animal production in organic agriculture (in Eng.)	3	4
932308	Animal production systems (in Eng.)	4	6
932311	Quantitative Tiergenetik (in Eng.)	4	6

LVNR	TITEL	SWS	ECTS
932312	Genetik der Diversität (in Eng.)	2	3
932324	Animal husbandry in tropical and subtropical regions (in Eng.)	2	3
932334	Molekulare Tiergenetik (in Eng.)	2	3
932339	Applied statistical methods in livestock sciences (in Eng.)	5	7
932340	Research practice in animal and plant breeding and genetics (in Eng.)	10	15
932341	Paper discussion animal breeding and genetics (in Eng.)	2	3
932342	Contribution of animal breeding to global food security (in Eng.)	2	3
932344	Animal breeding and the sustainable development goals (in Eng.)	2	3
932402	Doctoral seminar T2S I (in Eng.)	1	1.5
932403	Journal club T2S I (in Eng.)	1	1.5
932404	Theory and principles of inter- and transdisciplinary research (in Eng.)	1.5	2
933103	Richtlinien, Zertifizierung und Akkreditierung in der ÖLW (in Eng.)	2	3
933112	Introduction to systemic thinking for organic farming: Theories and methods with examples from organic	1	1.5
933300	Start-up module (in Eng.)	4	6
933302	Protection of natural resources by organic farming (in Eng.)	2	3
933303	European regulatory framework for organic production (in Eng.)	2	3
933306	Ethics in organic agriculture (in Eng.)	2	3
933307	Crop production systems in organic agriculture (in Eng.)	2	3
933308	Soil fertility and soil ecology in organic agriculture (in Eng.)	2	3
933310	System analysis and scenario technique - methods and practises (in Eng.)	3	5
933312	Interdisciplinary excursion on organic agriculture (in Eng.)	2	2
933316	Organic farming and regional development (in Eng.)	4	6
933319	Global case studies on organic agriculture (in Eng.)	1	1.5

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933320	The global organic control and certification system (in Eng.)	2	3
933329	Agroecology - A science, a practice and a movement (in Eng.)	2	3
933331	Procedures of plant production in organic agriculture I (in Eng.)	1	1
933332	Procedures of plant production in organic agriculture II (in Eng.)	1	1
933340	Case studies in organic grassland management (in Eng.)	1	2
933341	Ethnopedology, ethnometeorology and ethnoclimatology: Local knowledge about soil, weather	2	3
933342	Food sovereignty and critical agrarian studies (in Eng.)	3	3
933343	Local knowledge and ethnobiology in organic farming (in Eng.)	4	6
933344	Ethnobotany - research and application (in Eng.)	4	6
934003	Gender and governance of natural resources in refugee-host settings (Summer School Uganda) (in Eng.)	4	6
934100	Development research and practice (in Eng.)	2	3
934300	Gender, food systems and natural resources (in Eng.)	4	6
934301	Gender, nutrition and right to food (in Eng.)	4	6
934302	Project design and sustainable development goals (SDGs) (in Eng.)	2	3
934303	Scientific communication and impacts (in Eng.)	2	3
934307	Transformative development (in Eng.)	2	3
934308	Climate scholar activism (in Eng.)	4	6
934309	Environmental change and climate security (in Eng.)	2	3
934310	Political ecology of the climate crisis (in Eng.)	4	6
934311	Livelihood system dynamics in rural development (in Eng.)	2	3
934312	Facilitating change for sustainable development (in Eng.)	4	6
934316	Negotiating change: simulating an international conference for sustainable development (in Eng.)	4	6
934317	Participatory methods in development research and practice (in Eng.)	2	3

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934318	Systems science for participatory management of dynamic socio-ecosystems (in Eng.)	2	3
940083	Molecular genetics and functional genomics of fungi (in Eng.)	3	3
940084	Posttranslational modifications and their role in plant development (in Eng.)	2	2
940085	Molecular biology of fungi (in Eng.)	2	2
940095	Protein trafficking in the early secretory pathway (in Eng.)	2	2
940105	Introduction to molecular biology (in Eng.)	2	2
940115	Laboratory course in molecular biology I (in Eng.)	3	3
940301	Structure and analysis of genomes (in Eng.)	2	3
940305	Molecular biology of plant-pathogen interactions (in Eng.)	2	3
940307	Developmental genetics (in Eng.)	2	3
940311	Cell biology (in Eng.)	2	3
940318	Developmental genetics of plants (in Eng.)	2	3
940319	Cell and molecular biology I (in Eng.)	3	4
940321	Plant molecular biology (in Eng.)	2	3
940322	Plant biochemistry and cell biology (in Eng.)	2	2.5
940323	Laboratory course in molecular biology II (in Eng.)	3	3
940325	Cell and molecular biology II (in Eng.)	3	3
940326	Pathophysiology for biotechnologists (in Eng.)	2	2
940327	Oncology for biotechnologists (in Eng.)	2	2
940328	Molecular phytopathology (in Eng.)	3	4
940329	Molecular mechanisms of fungal virulence and plant resistance (in Eng.)	2	3
940329	Molecular mechanisms of fungal virulence and plant resistance (in Eng.)	2	3
940331	Cell factory - plants (in Eng.)	3	3

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940332	Genetically modified organisms in the environment (in Eng.)	2	2
940335	Seminar in molecular biology (in Eng.)	2	2
940336	Exercises in molecular biology (in Eng.)	3	3
940337	Practical course in cell biology (in Eng.)	3	3
940338	Seminar in cell biology (in Eng.)	2	2
940339	Methods in cell biology (in Eng.)	2	3
940340	Plant sensing, response and adaption to the environment (in Eng.)	2	2
940341	Molecular genetics of baker's yeast (in Eng.)	2	2
940373	Pflichtpraxisseminar (in Eng.)	1	3
940401	Principles and challenges of research in socio-economics, natural resources and life sciences (in Eng.)	3	4
940402	Basic course II - biosynthesis, post-translational modifications and trafficking of recombinant proteins	2	3
940406	Seminar to basic course II - biosynthesis, post-translational modifications and trafficking of	1	1
940412	Instructional course IIB - protein secretion and endocytosis (in Eng.)	2	3
940422	Doctoral seminar BioToP II (in Eng.)	1	1
940423	Plant cell technology (in Eng.)	2	2
940424	Seminar AgriGenomics III (in Eng.)	0.5	0.5
950300	Masterseminar (in Eng.)	2	2
951300	Crop production (in Eng.)	2	3
951310	Physiology of crop nutrition - laboratory exercises (in Eng.)	2	3
951316	Medicinal and aromatic plants (in Eng.)	2	3
951324	Internationale Landwirtschaft (in Eng.)	2	3
951332	Crop production in the tropics and subtropics (in Eng.)	3	4
951333	Physiology of crop nutrition (in Eng.)	3	4

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951334	Rebernahrung (in Eng.)	1	1.5
952160	Human nutrition and food (in Eng.)	2	3
952328	Methods in horticultural physiology (in Eng.)	2	3
952333	Organic horticulture (vegetables and ornamentals) (in Eng.)	2	3
952337	Horticultural products as a source of functional food: physiological and nutritional aspects (in Eng.)	2	3
952339	Basics of plant, stress and storage physiology in horticulture (in Eng)	2	3
952340	Special vegetable growing (in Eng.)	2	3
952341	Production of medicinal and aromatic plants (MAPs) (in Eng.)	2	3
953309	Plant nematology (in Eng.)	1	1.5
953318	Gene technology for plant pathologists (in Eng.)	2	3
953322	Plant virology and bacteriology (in Eng.)	2	3
953324	Ecological plant protection (in Eng.)	2	3
953327	Laboratory diagnosis of plant damages (in Eng.)	2	3
953335	Phytomedizin im Obstbau (in Eng.)	2	3
953336	Global change and pest management (in Eng.)	2	3
953337	Introduction in the toxicology of pesticides (in Eng.)	2	3
957310	Aspects of product quality in plant production (in Eng.)	3	4
957320	Plant breeding - principles and methods (in Eng.)	2	3
957321	Plant breeding - principles and methods - practical exercises (in Eng.)	2	3
957324	Pilot case 3 (in Eng.)	1	2
957325	Molecular plant breeding (in Eng.)	2	3
957327	Resistance breeding of crop plants (in Eng.)	2	3
957329	Molecular plant breeding practical (in Eng.)	3	4

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958317	Organic fruit production and organic viticulture (in Eng.)	2	3
958318	Research project in viticulture and fruit sciences (in Eng.)	3	4
958334	Viticulture and pomology journal club (in Eng.)	2	3
958339	Physiological disorders of grapevine (in Eng.)	1	1.5
958340	Plant based aspects of abiotic stress responses in grapevine (in Eng.)	2	3
958341	Traditional and molecular aspects of grapevine breeding and selection (in Eng.)	2	3
958342	World wines and viticulture (in Eng.)	2	3
958344	Biology and physiology of the grapevine - exercises (in Eng.)	2	3
958347	Genetic control of secondary metabolites in perennial crop plants (in Eng.)	2	3
958348	Biology and physiology of the grapevine (in Eng.)	2	3
958349	Advanced vineyard management (in Eng.)	2	3
970004	Scientific writing in life sciences (in Eng.)	1	1
970012	Assessment of exposure to (bio-)chemical contaminants in foods (in Eng.)	2	2
970013	(Bio-) Analytical Seminar (in Eng.)	1.5	2
970022	Challenges and opportunities in biotoxin research in the light of a changing climate (in Eng.)	3	7
970023	Intellectual property rights (in Eng.)	1	1
970050	Entwicklung von immunchemischen Schnelltests für die Lebensmittelanalytik (in Eng.)	2	3
970300	Masterseminar (in Eng.)	2	2
970301	Analysis of bio-hazards in foods (in Eng.)	2	3
970304	Biobased and biodegradable plastics (in Eng.)	2	2
970305	Biotechnology for sustainable processes and environmental protection (in Eng.)	3	4
970306	Methods in environmental biotechnology (in Eng.)	3	3
970308	Biorefinery and products from renewable resources (in Eng.)	1	2

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970309	Seminar in environmental biotechnology (in Eng.)	2	2
970311	Experimental design and analysis of field and laboratory trials (in Eng.)	2	3
970312	Quantitative genetics for plant breeders (in Eng.)	2	3
970313	Plant metabolomics (in Eng.)	4	5
970314	Environmental bioprocess engineering (in Eng.)	3	4
970315	Resource efficiency and bioeconomy of bio-based materials (in Eng.)	2	3
970400	Dissertantenseminar (in Eng.)	2	2
970402	Bio-Resources and Technologies (in Eng.)	2	2
970403	Biorefinery journal club ABC&M (in Eng.)	1	1
970406	Annual retreat AgriGenomics (in Eng.)	2	2
976300	Human nutrition (in Eng.)	2	3
976301	Production of primary food of animal origin (in Eng.)	2	3
976310	Metabolism and digestion physiology (in Eng.)	2	3
976321	Food safety in livestock feeding (in Eng.)	2	3