

Module Packages TUM School of Life Sciences

The TUM School of Life Sciences offers a large number of highly attractive modules for life science students. Most of these modules are listed as courses for master students but these are generally also suitable for advanced bachelor students. These modules typically contain one or more courses (e.g. lectures, seminars or practical exercises). **To receive credit points (ECTS) you have to pass the final exam of the module.** You will not receive credits for individual courses, only for entire modules!

To make it easier for you to choose from the broad variety of modules at the TUM School of Life Sciences we have assembled „module packages“ that contain modules of related topics.

Please note that this is just a tool for better orientation and by no means something that you have to stick to in exactly the way it is outlined here. You may choose modules from different packages or complement your curriculum with a general course, e.g. a module like scientific writing or project management. Some modules might appear multiple times in different packages as they fit into multiple disciplines. Some packages contain many modules (far exceeding the regular 30 ECTS work load), or very similar modules. Here you may choose the best fit for you. Some modules are shaded in grey, these are located at the TUM faculty of Chemistry and Physics in Garching. The campus Garching can be reached by bus from Freising.

Since there are so many different modules available it is your responsibility to double check that the lecture times for individual modules are not overlapping. Further information about locations, time slots and content and examinations can be found in TUMonline (WZ numbers are directly linked to the respective module description). Please note that enrolment for the individual courses does **not** also sign you up for the module`s examination automatically but has to be done separately.

**Important: We cannot guarantee that the listed modules are actually offered. The actual course offer is published at the beginning of each semester.
Changes at short notice are possible.**

Explanation for the table:

Type:

V – „Vorlesung“ -> lecture **S** – „Seminar“ -> seminar **Ü** – „Übung“ -> Exercise
P – „Praktikum“ -> practical **Ex** – „Exkursion“ -> field trip

Work load:

1 SWS equals 15 hours of work for the entire semester

Winter Semester

Module Number	Module Name	ECTS	Type	Work Load
Molecular Life Sciences Package		25		
WZ3055	Transgenic and Stem Cell Biotechnology	5	V+S	2+1
WZ3214	Experimental Immunology and Pathology	5	Ü	5
WZ0624	Plant and Animal Cell Biology	5	V+S	2+2
WZ2090	Viral and Nonviral Gene Transfer: Methods and Applications in Research and Therapy	5	V	3
WZ2404	Introduction to Mammalian Cell Culture	5	P+S	3+2
Biotechnology Package		52		
WZ1572	Biotechnology in Horticulture 1	6	Ü	4
WZ1593	Biotechnology in Horticulture 2	6	Ü	4
WZ1585	Plant Biotechnology	5	V+S	4
WZ4174	Plant Breeding and Biotechnology	5	V	4
WZ2657	Methods and Logic in Molecular Cell Biology and Scientific Writing	6	S	4
CH0410	Physical Biochemistry and Lecture Seminar	5	P+S	6
MW2397	Basics in computational methods in biotechnology	4	V	3
PH2251	Techniques and Data Analysis in Biophysics 1	5	V	2
PH2257	Techniques and Data Analysis in Biophysics 2	5	V	2
PH2027	Nonlinear Dynamics and Complex Systems 1	5	V+Ü	2+2
Nutrition Package		24		
WZ3201	Basics Nutrition and Food	3	V+Ü	3+1
WZ3208	Energy Balance and Regulation	5	V+S	2+2
WZ3224	Health Behaviour and Health Promotion	5	V+S	2+1
WZ3239	The Theoretical and Practical Basics of Systemic Energy Balance Regulation	5	V+S	2+2
WZ1596	Analysis of Bioactive Compounds in Fruits and Vegetables	6	V	4
Food Technology Package		23		
WZ5412	Plant-derived Food Products	5	V	4
WZ3201	Basics Nutrition and Food	3	V+Ü	3+1
WZ5401	Seminar Bioprocess Engineering	5	S	3
WZ5089	Seminar Food Science	5	S	
WZ2727	Sustainability of Food Chains	5	S	4
Livestock Package		25		
WZ0635	Genetic Engineering of Livestock	5	V+S+Ü	2+1+1
WZ0624	Plant and Animal Cell Biology	5	V+S	2+2
WZ0625	Immunology: Crop and Livestock Health and Disease	5	V+S	2+2

Module Number	Module Name	ECTS	Type	Work Load
WZ1032	Genetic Selection Supported by Markers	5	V	4
WZ1589	Marker-assisted Selection	5	V+Ü	3+1
Molecular Plant Sciences Package		49		
WZ6428	Analytical Methods in Horticulture, Agriculture and Plant Biotechnology	6	Ü	4
WZ1578	Project Management in Molecular Plant Biotechnology	5	S	4
WZ1185	Plant Epigenetics and Epigenomics	5	V+P	3+2
WZ2581	Plant Biotechnology	5	V+S	2+2
WZ2381	Plant Systems Biology (Lecture and Seminar)	5	V+Ü	2+2
WZ1589	Marker-assisted Selection	5	V+Ü	3+1
WZ1032	Genetic Selection Supported by Markers	5	V	4
WZ1432	Methods in Woody Plant Pathology	5	V	4
WZ2300	Journal Club Plant Developmental Genetics	3	S	2
WZ2371	Molecular Plant Physiology - Responses to Abiotic Stress	5	V+S	2+2
Crop Physiology Package		75		
WZ6428	Analytical Methods in Horticulture, Agriculture and Plant Biotechnology	6	Ü	4
WZ1578	Project Management in Molecular Plant Biotechnology	5	S	4
WZ1720	Crop Breeding	6	VI	4
WZ1037	Crop Physiology – Ertragsphysiologie	5	V+Ü	2+2
WZ1596	Analysis of Bioactive Compounds in Fruits and Vegetables	6	V	4
WZ1589	Marker-assisted Selection	5	V+Ü	3+1
WZ1032	Genetic Selection Supported by Markers	5	V	4
WZ1572	Biotechnology in Horticulture 1	6	Ü	4
WZ1593	Biotechnology in Horticulture 2	6	Ü	4
WZ1438	Model Systems and Crop Quality	5	V+P	4
WZ1673	Crop Biotechnology	6	V	4
WZ1591	Winterschool Horticultural Science	3	S	4
WZ1672	Crop Quality: Basics of Quality Control and Assurance	6	V	4
WZ4020	Effects of Climate Change on Plant Physiology	5	V+S	2+2
Medical Package		55		
WZ8119	Systems BioMedicine	6	V+Ü	2+3
WZ1663	Secondary Plant Metabolites and Human Health	6	V+Ü	4+1
WZ2090	Viral and Nonviral Gene Transfer: Methods and Applications in Research and Therapy	5	V	3
WZ2656(2)	Development of Vaccines against Infectious Diseases	5	S	2
WZ2598	Development of Vaccines against Infectious Diseases	2	S	2

Module Number	Module Name	ECTS	Type	Work Load
WZ3097	Basics in Chronobiology	5	V	2
WZ1886	Hot Topics: Recent Advances in Immunology and Infectious Diseases	3	S	2
WZ3202	Research Tools I	5	V	3
CH0226	Molecular Medicine	5	V+S	2+1
ME551	Specialized Topics in Immunology	5	V	2
PH2001	Biomedical Physics 1	5	V	2
ME550	Molecular Oncology 1	3	V	2
Microbiology Package		32		
WZ6428	Analytical Methods in Horticulture, Agriculture and Plant Biotechnology	6	Ü	4
WZ1588	Evolutionary Genetics of Plant and Microorganisms	5	V+Ü	2+2
WZ2599	Analysis of High-Throughput Datasets for Biologists	4	V+Ü	2+2
WZ1174	Molecular Biology of Biotechnologically Relevant Fungi	5	V+S	2+2
WZ2381	Plant Systems Biology (Lecture and Seminar)	5	V+Ü	2+2
WZ1818	Fungal Genetics Exercise	5	Ü	5
WZ2539	Seminar on Microbial Effectors	2	S	2
Neurobiology Package		25		
WZ2753	Course block: Neurobiology of intact animals	5	P	3 weeks
WZ2750	Course block: Neurobiology of isolated tissue	10	P	6 weeks
WZ2938	Course block: Neuroscience of vision	5	V+Ü	3 weeks
WZ2690	Latest Neuroscience - Presenting Papers to Researchers and the General Public	3	S	2
WZ0005	Fluoreszenz Lifetime Imaging - Theory and Function	1	Ü	1
WZ0004	Confocal Laser Scanning Microscopy - Theory and Function	1	Ü	1
Genetics + Evolution Package		57		
WZ1588	Evolutionary Genetics of Plant and Microorganisms	5	V+Ü	2+2
WZ2659	Speciation From Population Genetics to Phylogenetics	5	V	4
WZ0630	Analysis of Epigenomic Data	10	P	10
WZ0002	Applied Experimental Evolution and Bioinformatics	5	Ü	4
WZ1032	Genetic Selection Supported by Markers	5	V	4
WZ2763	Transcriptional and Posttranscriptional Regulation in Eukaryotes	5	V+S	2+2
WZ2599	Analysis of High-Throughput Datasets for Biologists	4	V+Ü	2+2
WZ2300	Journal Club Plant Developmental Genetics	3	S	2
WZme2670	Innovative Approaches in Viral Gene Technology	5	S	5
WZ2228	Seminar Current Problems in Animal Genetics	2	S	2

Module Number	Module Name	ECTS	Type	Work Load
WZ4162	Genetics and Conservation Biology	3	V	2
PH2277	Physics of Genes 1: Nucleic Acids	5	V+Ü	2+2
Economics Package		57		
WZ1822	Introduction to Economics and Business Ethics	5	V	4
WZ1674	Research Methods and Economic Research Project	6	S	4
WZ2713	Methods of Scientific Communication	4	S	4
WI001190	Cooperation and Integration in Agribusiness	5	V	4
WZ1590	Climate Change Economics	5	V+Ü	4
WZ1567	Sustainability: Paradigms, Indicators, and Measurement Systems	5	V	4
WI000740	Consumer Economics and Policy	6	V	4
WZ0405	International Political Economy	5	V	4
BGU70005	Transportation Economics	6	V	4
WZ2757	Advanced Environmental and Natural Resource Economics	5	V	4
WZ1552	Regulatory Economics and Policy	5	V	4
Politics Package		51		
WI000926	International Environmental Governance and Conflict Management	5	V+S	4
WZ2936	Sustainable and Environmental Regulations	5	S	4
WZ4202	Political and Social Perspectives of Renewable Resources	5	V+Ü	1,5+1,5
WZ2730	Climate Change - Science, Impacts and Adaptation, Mitigation	5	V+S	2+2
WZ1567	Sustainability: Paradigms, Indicators, and Measurement Systems	5	V	4
WZ2712	Project Management, Public Relations and CCC	5	V+S	4+1
WI000740	Consumer Economics and Policy	6	V	4
WZ0405	International Political Economy	5	V	4
WZ1552	Regulatory Economics and Policy	5	V	4
WZ4176	Project Management and Public Relations	5	V	5
Management Package		71		
WZ1545	Human Resource Management in Agriculture and Related Industries	5	V	4
WZ2712	Project Management, Public Relations and CCC	5	V+S	4+1
WZ2713	Methods of Scientific Communication	4	S	4
WZ1821	Natural Resources - Traits, Management and Theory of Sustainability	5	V	5
WZ2717	Genetic Resources Management and Forest Protection	5	V	4
WZ1921	Strategy, Supply Chain Management, and Sustainability in Agribusiness and Food Industry	6	S	4
WZ6300	Ecosystem Management and Applied Restoration Ecology	5	P	4
WZ4176	Project Management and Public Relations	5	V	5

Module Number	Module Name	ECTS	Type	Work Load
WZ2728	Sustainable Land-Use Management	5	V	4
WZ4192	Natural Resources - Traits, Management, Systems Analysis	5	V	4
WZ4193	Research Tools in Resource Management	5	V+S	4
WZ1701	Production and Risk Management	5	V	4
WZ4070	Information Management	3	V	2
WZ4094	Landscape Management - Application Study	5	V	5
WZ4106-1	Management of Soil Resources	3	V	2
WZ1413	Wildlife Monitoring in Ecology: Concepts, Methods and Application	5	V	4
Aquatic Package		35		
WZ2718	Wildlife, Fish and Conservation Biology	5	V	4
WZ1824	System Analysis and Introduction to Ecology	5	V	4
WZ2732	Environmental Monitoring and Data Analysis	5	V	1+2+2
WZ4189	Fisheries and Aquatic Conservation	5	V+Ü	2+2
WZ2731	Hydrometeorology and Management of Water Resources	5	V+S	2+2
WZ4200	Conservation Biology and Fisheries Management	5	V	4
WZ2394	Fisheries Management	5	V+Ü	2+2
Soil and Forest Package		64		
WZ2734	Soil Protection	5	V	4
WZ2736	Analytical Characterization of Soil Resources	5	V+Ü	1+3
WZ4082	Plantation Forestry and Agroforestry	5	V	4
WZ4098	Forestry Raw Materials and their Utilization	5	V+Ü	2+2
WZ0528	Urban Forestry	5	V+Ü	2,5
WZ2717	Genetic Resources Management and Forest Protection	5	V	4
WZ0162	Forest Management Planning	5	V+Ü	4+1
WZ4138	Microscopic and Physical Test and Evaluation Methods in Wood Science	5		4
WZ1432	Methods in Woody Plant Pathology	5	V	4
WZ4106-1	Management of Soil Resources	3	V	2
WZ1670	Ecophysiology: Technical Procedures and Principles of Protected Cultivation	6	V	4
WZ4075	Methods of Environmental Assessment	2	S	2
WZ4233	Urban Forestry	3	V	2
WZ6420	Ecosystem Services and Climate Change	5	V	4
Renewables and Waste Package		50		
WZ2936	Sustainable and Environmental Regulations	5	S	4
WZ4202	Political and Social Perspectives of Renewable Resources	5	V+Ü	1,5+1,5
WZ2723	Utilization and Treatment of Special Materials and Waste	5	S	4
WZ2724	Emission Control in Land-Use and Animal Husbandry	5	V	3

Module Number	Module Name	ECTS	Type	Work Load
WZ1439	Energy Conservation and Alternative Energy Resources	5	V	4
POL62200	Energy Transformation	6	V	4
WZ4097	Agricultural Raw Materials and their Utilization	5	V	4
WZ4180	Statistics of Natural Resources	2	V	2
WZ4181	Waste in Landscapes	2	S	2
WI001164	Modeling and Optimization in Energy Markets	6	V	4
WZ4208	Utilization of Special Waste	5	V+S	4
Methods and General Interest		63		
WZ2737	Remote Sensing and Image Processing	5	S+Ü	2,5+2,5
WZ1823	Inventory Methods, Statistics and GIS	6	V+Ü	4+1
WZ1824	System Analysis and Introduction to Ecology	5	V	4
WZ2712	Project Management, Public Relations and CCC	5	V+S	4+1
WZ3223	Design and Analysis of Experiments	5	V+Ü	2+2
WZ3225	Research Methods	5	V	3
WZ2572	Experimental Design (Advanced Course)	5	V+Ü	2+4
WZ1441	Systems Analysis as a Research Method	5	V	4
WZ3096	Scientific Computing for Biological Sciences with Matlab	2	V+Ü	2
WZ4063	Systems Analysis and Model Building	2	V	2
WZ4167	Inventory Methods and GIS	5	V	4
WZ2055	Life Sciences Seminar (English)	3	V	2
WZ1709	Mobilising Agro-Food Expertise	5	V	4
WZ6407	Urban Ecology	5	V+S	4

Summer Semester

Module Number	Module Name	ECTS	Type	Work Load
Molecular Life Sciences Package		51		
WZ3098	Basics of Metabolomics	5	V	3
WZ3230	Mitochondrial Biology	5	V+S	2+2
WZ0623	Physiology	5	V	4
WZ8104	Enzym Engineering	3	V	2
WZ2404	Introduction to Mammalian Cell Culture	5	P+S	3+2
WZ0636	Lab Course Introduction to Mammalian Cell Culture	5	Ü+S	3+2
WZ2657	Methods and Logic in Molecular Cell Biology and Scientific Writing	6	S	4
WZ2388	Techniques in Cell Biology	5	V	3
CH0434	Cellbiology	6	V+Ü	2+2
CH0448	Biological Chemistry	6	V+Ü	2+2
Biotechnology Package		53		

WZ2657	Methods and Logic in Molecular Cell Biology and Scientific Writing	6	S	4
WZ1594	Biotechnology in Horticulture 3	6	Ü	4
WZ1174	Molecular Biology of Biotechnologically Relevant Fungi	5	V+S	2+2
WZ2404	Introduction to Mammalian Cell Culture	5	P+S	3+2
WZ0636	Lab Course Introduction to Mammalian Cell Culture	5	Ü+S	3+2
WZ2138	Practical Course in Membranes and Membrane Proteins	3	P	3
CH0434	Cellbiology	6	V+Ü	2+2
CH5115	Molecular Biotechnology	5	V	2
CH0410	Physical Biochemistry and Lecture Seminar	5	P+S	6
PH2187	Elementary Processes in Molecular Systems	5	V+Ü	2+2
PH2019	Molecular Dynamics Simulations	5	V+Ü	2+2
Biomedical Package		34		
WZme2670	Innovative Approaches in Viral Gene Technology	5	S	5
WZ1886	Hot Topics: Recent Advances in Immunology and Infectious Diseases	3	S	2
WZ3098	Basics of Metabolomics	5	V	3
WZ3235	Advanced Metabolism	5	V	3
WZ3233	Food and Health	8	V+S	4+2
PH2002	Biomedical Physics 2	5	V	2
ME550	Molecular Oncology 1	3	V	2
Chemical Biology Package		47		
WZ3220	Molecular Sensory Science	5	V	3
PH2226	Chemistry in Biomedical Imaging for Physicists	5	V	2
MW1145	Bioseparation Engineering 1	5	V+Ü	2+1
CH0448	Biological Chemistry	6	V+Ü	2+2
CH3039	Bioorganic Chemistry	5	V+Ü	2+1
CH5208	Metals in Biological Systems	5	V	2
PH2023	Kinetics of Cellular Reactions	5	V+Ü	2+1
CH0448	Biological Chemistry	6	V+Ü	2+2
PH2226	Chemistry in Biomedical Imaging for Physicists	5	V	2
Food and Health Package		43		
WZ3235	Advanced Metabolism	5	V	3
WI000948	Food Economics	6	V	4
WZ3233	Food and Health	8	V+S	4+2
WI001205	People in Organizations: Managing Change and Sustainability in Agribusiness and the Food Industry	6	S	4
WZ1329	Nutrition in the Elderly	3	V	1,5
WZ3203	Nutrition in Life Stages	5	V+S	3
WZ3207	Nutrition and Microbe-Host Interactions	5	V+S	2+2
WZ3220	Molecular Sensory Science	5	V	3
WZ1910	Molecular Sensory Science	5	V	3

WZ5082	Food Mycology	5	V	2
Genetics and Genomics Package		53		
WZ0626	Genetics and Genomics	5	V+S	2+2
WZ0629	Genomics of Livestock Populations	6	V+Ü	2+2
WZ0637	Lab Course Methods for Analysis of Next Generation Sequencing	5	Ü	4
WZ1584	Quantitative Genetics and Selection	5	V+Ü	2+2
WZ2599	Analysis of High-Throughput Datasets for Biologists	4	V+Ü	2+2
WZ2662	Modern Topics in Evolutionary Biology	5	V+S	2+2
WZ2228	Seminar Current Problems in Animal Genetics	2	S	2
WZ3206	Research Tools II	5	V	3
WZ1595	Genetic and Environmental Control of Vegetal Plants	6	V+P	4
PH2288	Physics of Genes 2	5	V+Ü	2+2
PH2154	Physical Chemistry Basics of DNA and Genetic Information	5	V+Ü	2+2
Data Analysis Package		34		
MA9613	Statistical Computing and Data Analysis	5	V+Ü	2+1
WZ0637	Lab Course Methods for Analysis of Next Generation Sequencing	5	Ü	4
WZ2049	Methods for Analysis of Next Generation Sequencing data	5	Ü	4
WZ2599	Analysis of High-Throughput Datasets for Biologists	4	V+Ü	2+2
WZ0631	Data Processing and Visualization in R	5	Ü	4
WZ0002	Applied Experimental Evolution and Bioinformatics	5	Ü	4
WZ3226	Basics in Computational Biology	5	V+Ü	1+2
Plant Package		71		
WZ2620	Applications of Evolutionary Theory in Agriculture: Pathogen Population Genomics and Disease Management	5	V+S	3,3+0,7
WZ1185	Plant Epigenetics and Epigenomics	5	V+P	3 + 2
WZ2480	Plant Developmental Genetics 2	4	V+S	2 + 2
WZ6430	Genetic and Environmental Control of Vegetal Plants	5	V+Ü	3+1
WZ2381	Plant Systems Biology (Lecture and Seminar)	5	V+Ü	2+2
WZ1596	Analysis of Bioactive Compounds in Fruits and Vegetables	6	V	4
WZ1585	Plant Biotechnology	5	V+S	4
WZ1595	Genetic and Environmental Control of Vegetal Plants	6	V+P	4
WZ1040	Control and Optimisation of Secondary Plant Metabolites	5	V	4

WZ1583	Biology and Physiology of Plant Stress	5	V+S	4
WZ2300	Journal Club Plant Developmental Genetics	3	S	2
WZ4172	Measures and Treatment Plants	2	Ex	2
WZ4027	Plant Ecophysiology	5	S+Ü	2+3
WZ1075	Herbicides and Plant Physiology	5	V	4
WZ2385	Molecular Plant Physiology - Plant Water Relations and Metabolism	5	V+S	2+2
Crop Package		56		
WZ1033	Molecular Genetics of Crop Plants	5	V+Ü	3 + 1
WZ1696	Crop Genomics	5	V+Ü	3 + 1
WZ1594	Biotechnology in Horticulture 3	6	Ü	4
WZ1078	Quality of Food Crops	5	V	4
WZ1812	Quality of Horticultural Food Crops	5	V+S	4
WZ2581	Plant Biotechnology	5	V+S	2 + 2
WZ6429	Biotechnology in Horticulture	5	Ü	4
WZ1578	Project Management in Molecular Plant Biotechnology	5	S	4
WZ0047	Plant Stress Physiology	5	V+Ü+S	2+2+1
WZ1582	Applications of Evolutionary Theory in Agriculture	5	V+Ü	4
WZ2381	Plant Systems Biology (Lecture and Seminar)	5	V+Ü	2+2
Neurobiology Package		15		
WZ2938	Course block: Neuroscience of vision	5	V+Ü	3 weeks
WZ2693	Cognitive Neuroscience	3	V	2
WZ0005	Fluoreszenz Lifetime Imaging - Theorie und Funktion	1	Ü	1
WZ0004	Confocal Laser Scanning Microscopy - Theory and Function	1	Ü	1
WZ2682	Sensory and Behavioral Neurogenetics	5	V+Ü	2+2
Fungal and Microbial Package		27		
WZ1174	Molecular Biology of Biotechnologically Relevant Fungi	5	V+S	2+2
WZ1818	Fungal Genetics Exercise	5	Ü	5
WZ2090	Viral and Nonviral Gene Transfer: Methods and Applications in Research and Therapy	5	V	3
WZ2656(2)	Development of Vaccines against Infectious Diseases	5	S	2
WZ2598	Development of Vaccines against Infectious Diseases	2	S	2
WZ3207	Nutrition and Microbe-Host Interactions	5	V+S	2+2
Economics and Policy Package		39		
WI001215	Network and stakeholder analysis: Sustainable resource use and agri-food system	5	V	4
WZ1590	Climate Change Economics	5	V+Ü	4
WZ1700	Agribusiness Governance	5	V+Ü	2+2

WZ1711	Development Policy and Economics: Human Security and Human Development	5	V	4
WZ1713	Biopolitics: Social, Political and Ethical	5	S	2
WZ1674	Research Methods and Economic Research Project	6	S	4
WZ2415	Ecotourism and Nature Conservation	5	V	5
WZ4152	Case Studies in Nature Conservation and Ecotourism	3	Ü	3
Soil and Landscape Package		55		
WZ1676	Sustainable Land Use and Nutrition	5	V	4
WZ2719	Landscape Planning	5	V+S	2+2
WZ2722	Mountain Catchments under Changing Climate	5	V+Ü	2+4
WZ4094	Landscape Management - Application Study	5	V	5
WZ2733	Introduction to Soil Science	5	V+Ü	2+3
WZ2735	World Soil Resources	5	V+Ü	2+3
WZ2725	Land-Use Systems from Local and Global Perspectives	5	V	4
WZ4105	World Soil Resources in Theory and Field Practice	5	V+Ü	2+3
WZ4168	Landscape Planning and Applied Development Cooperation	5	V+S	2+2
WZ4209	Land-Use Systems from a Global Perspective	5	V	4
WZ4211	Case Studies of Land-Use Management	5	V	5
Forest Package		45		
WZ1676	Sustainable Land Use and Nutrition	5	V	4
WZ2716	Forest Growth and Forest Operations	5	V+Ü	3,5+0,5
WZ4019	Forest Sites: Ecological Factors and Sustainable Use	5		4
WZ4007	Processes of a Material Utilization of Wood	5	V+Ü	1,5+2,5
WZ4161	Forest Management	5	V+Ü	2+3,5
WZ1432	Methods in Woody Plant Pathology	5	V	4
WZ4080	Low Impact Forest Operation Technologies	2	V	2
WZ4081	Forest Genetics	3	V	5
WZ4160	Forest Growth and Protection	5	V	4
WZ4196	Forest Operations and Genetic Resources Management	5	V	4
Environmental Management Package		47		
WZ4161	Forest Management	5	V+Ü	2+3,5
WZ4197	Protected Areas Biodiversity and Management	5	V	4
WZ4198	Wildlife Management and Wildlife-Human Interactions	5	V+S	2+2
WZ4206	Material Flow Management and Applications	5	V	3
WZ4201	Vegetation Ecology and Geographical Information Systems	5	V+Ü	2+2
WZ4207	Waste and Waste Water Treatment	5	V	4
WZ4109	Waste Management	2	V	2
WZ2732	Environmental Monitoring and Data Analysis	5	V	5
WZ4084	Wildlife-Human Interactions in Protected Areas	2	S	2
WZ4107	Management of Material Flows	3	V	3

WZ4157	Farming Systems	5	V	5
Sustainability Package		31		
WZ2726	Assessment of Sustainability in Agriculture - Theory and Case Studies	5	V	4
WZ4210	Assessment of Sustainability in Agriculture	5	V	4
BGU62039	Case Studies of Sustainable Urban Developments and Infrastructure	6	V	4
WI001204	Economics of Water Use, Regulation and Markets	5	V	4
WZ1567	Sustainability: Paradigms, Indicators, and Measurement Systems	5	S	4
WI001215	Network and stakeholder analysis: Sustainable resource use and agri-food system	5	V	4
Ecology Package		31		
WZ4198	Wildlife Management and Wildlife-Human Interactions	5	V+S	2+2
WZ6432	Wildlife and Conservation Biology	5	V+Ü	2+3
WZ4152	Case Studies in Nature Conservation and Ecotourism	3	Ü	3
WZ6307	Advanced Restoration Ecology	5	V+Ex	5
WZ4083	Wildlife Management	3	V	2
WZ6415	Applied Limnology	5	V+Ü	1+3
WZ2469	Limnology of Running Waters	5	V+Ü	1+3
Energy Package		44		
WZ2720	Renewable Energy Technologies	5	V	4
WZ2721	Bioenergy Systems	5	V	4
WI000286	Environmental and Natural Resource Economics	5	V	4
WZ1590	Climate Change Economics	5	V	4
WZ1674	Research Methods and Economic Research Project	6	S	4
WZ4206	Material Flow Management and Applications	5	V	3
WZ4109	Waste Management	2	V	2
WZ1439	Energy Conservation and Alternative Energy Resources	5	V	4
WI001164	Modeling and Optimization in Energy Markets	6	V	4
Methods and General Interest		19		
WZ0631	Data Processing and Visualization in R	5	Ü	4
WZ2055	Life Sciences Seminar (English)	3	V	2
WI001292	Start Ups and Unicorns	6	S	4
WZ1308	Creation of a Life Cycle Assessment Study Using LCA Software	5	V	2