

Module Directory

Faculty 09 - Agricultural Sciences, Nutritional Sciences and Environmental Management

"Transition Management" Master Degree Course Modules

Please consult the timetable or current university calendar for information regarding dates and room numbers of the modules taught in the course:

www.uni-giessen.de/f09/studies/schedule

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Core Modules

MK-067-EN-DI	MK-067-EN-DI Theory and Practice of Economic Development		6 CP
	Theory and Practice of Economic Development		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1. Sem.;
	Offered for the first time: WS 2021/22		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Transition Management, Master (1.); Sustainable Transition, Master (1.);			
Prerequisites for Participation: None			
Learning Outcomes: Students <ul style="list-style-type: none"> • are familiar with key concepts for analysing economic development. • are able to apply them to a range of current development topics. • are aware of the role of natural resources and institutions in the process of development. • consider economic development as a multidisciplinary topic and are enabled to integrate viewpoints from neighbouring social sciences into a problem-centred approach 			
Module Content: <ul style="list-style-type: none"> • Models of growth & development • Trade & globalisation • Development strategy & industrial policy • Resource curse • Land tenure • Environment & the commons • Institutions & development 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	60	120	
Seminar			
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination and assignments (5-10) or assignments (5-10) • Components of final grade: Written examination (40 %), assignment (60 %) or assignment (100 %) • Form of module retake examination: Written examination and assignments (5-10) or assignments (5-10) 			
Language: English			

MK-068-EN	MK-068-EN Empirical Research Methods		6 CP
	Empirical Research Methods		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1. Sem.;
	Offered for the first time: WS 2015/16		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Transition Management, Master (1.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have acquired knowledge of general principles of various qualitative and quantitative research methods as well as evaluation research • are able to understand the application of various methods with regard to research objectives 			
Module Content: <ul style="list-style-type: none"> • Principles of applied statistics • Correlation and causality • Basic approach of econometrics • Basic introduction to simple and multiple regression analysis • Collecting and analysing panel data • Designing of surveys, interviews, questionnaires • Qualitative data collection techniques • Qualitative data analysis • Mixed methods 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar	30	60	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: Written examination or written examination, seminar paper (4-5 pages) and poster			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination (100 %) or written examination (70 %), seminar paper (15 %), poster (15 %) • Components of final grade: Written examination • Form of module retake examination: 			
Language: English			

MK-070-EN	MK-070-EN Business Administration and Sustainability Management		6 CP
	Business Administration and Sustainability Management		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Business Administration of the Agricultural and Food Sector		2. Sem.;
	Offered for the first time: SS 2016		
	Intake capacity: 50		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural Production Economics			
Applies to the Study Programmes: Transition Management, Master (2.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • are familiar with basic and advanced methods of business accounting; • are able to model managerial decision problems by adequate cost-benefit calculations and other methods of Operations Research; • understand the global sustainability challenges of the 21st century; • are able to define economic, social and governance (ESG) risks of companies in different contexts; • can include ESG factors in a company strategy with bases on the context and expectations of the stakeholders. 			
Module Content: <ul style="list-style-type: none"> • Internal and external business accounting • Analysis of production functions and marginal effects calculus • Optimisation with constraints • Linear Programming 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	36	72	
Seminar			
Practical training			
Exercises	24	48	
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination • Components of final grade: Written examination (100%) • Form of module retake examination: Written examination 			
Language: English			

MK-100-EN	MK-100-EN Transition in Practice		6 CP
	Transition in Practice		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		2. Sem.;
	Offered for the first time: SS 2016		
	Intake capacity: not limited		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Transition Management, Master (2.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have gained knowledge about the practical work with and within transition and developing countries • understand the problems from an interdisciplinary perspective • have been introduced to practical approaches to solve problems in the context of development cooperation • have gained practical knowledge in the field of project management and developing and implementing projects • have gained practical skills necessary for work in international development projects 			
Module Content: <ul style="list-style-type: none"> • development projects in transition and developing countries • current research and its impact on development work in th international context 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture			
Seminar	60	120	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Presentation and written examination or presentation (20-30 min.) and seminar paper (6-7 pages) • Components of final grade: Presentation (40 %), written examination (60 %) or presentation (40 %), seminar paper (60 %) • Form of module retake examination: Written examination 			
Language: English			

MK-101-EN	MK-101-EN International Law	6 CP
	International Law	
Core Module / Optional Module	Law / Law	1. Sem.;
	Offered for the first time: WS 2015/16	
	Intake capacity: not limited	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair for Public Law and International Law		
Applies to the Study Programmes: Transition Management, Master (1.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • have a basic understanding of the role of law and legal systems in economic and social change • have an understanding of main principles of public international law • are familiar with the main sources and principles of international economic law • are familiar with the most popular regimes of international commercial arbitration • understand the importance of national law for economic and social change • are able to evaluate legal reforms 		
Module Content: Part A (Public International Law I) <ul style="list-style-type: none"> • scope and nature of international law • the making of international law • states, including issues of territory, population and jurisdiction • state responsibility • immunities and human rights • international organizations • arbitration and the International Court of Justice • the use of force by states Part B (Public International Law III) <ul style="list-style-type: none"> • principles of international economic law • WTO institutions • investment law 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	60	120
Seminar		
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination:		
<ul style="list-style-type: none"> • Form(s) of assessment: 2 written examinations (120 min each) • Components of final grade: Written examination (100 %) • Form of module retake examination: 2 written examinations (120 min each) or 2 oral examinations (20 min each) 		
Language: English		

Further information on MK 101-EN International Law

Master Transition Management students at FB 09 must take the two lectures "Public International Law I" and "Public International Law III" as part of one of their core modules (MK 101 International Law). The two lectures take place in succession in the winter semester and are both completed with a written exam.

Exam

Students have to register for the exam in FlexNow for the first examination period (deadlines of faculty 09). Registration for the second examination period is not possible. In MK-101 students cannot choose between the first and second examination period. The exam consist of two parts. Both parts of the exam will be offered at the end of the semester. A retake (of both parts) is possible in April. The dates will be communicated to the students in time.

Grading

The results of both exam parts are offset against each other (average) and result in the overall grade of the module MK 101. The transfer from the law point scale (18 points) to the B.Sc./M.Sc. point system (15 points) is done by means of a table after averaging. The grades are calculated and converted in the office of Professor Marauhn. The grades of the individual parts of the exams are not announced. Only the overall grade will be published on FlexNow.

Retake

A retake is only necessary and possible if the overall result of both exam parts is not sufficient. It is not possible to repeat a partial exam. Both parts must be repeated in any case.

Illness

If a student fails to take one part of the exam due to illness or other reasons beyond the student's control, this part will be repeated at the next possible time (when this exam part is next offered). The result will be offset against the result of the first exam part. Partial results will not be communicated in this case either. Only the final grade, which consists of both partial grades, is communicated to the students.

Exam Dates

The office of Professor Marauhn informs the Dean of Studies FB 09 about the dates of the exams. These are announced to the students during the course. In return, the Dean of Studies Office FB 09 informs about the registration deadlines on FlexNow.

MK-102-EN-DI	MK-102-EN-DI Global Food Markets	6 CP
	Global Food Markets	
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1. Sem.;
	Offered for the first time: WS 2021/22	
	Intake capacity: 45	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair of Agricultural and Food Market Analysis		
Applies to the Study Programmes: Sustainable Transition, Master (1.); Transition Management, Master (1.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • are familiar with the global trends shaping the world food economy, can identify the key drivers of change in agri-food markets and understand the relationships within complex food systems; • understand the effects of past and current events on supply and demand in global food markets in general and on food prices, food security, and food safety in particular; • can describe the causes and consequences of international trade for sustainable development by drawing on economic principles and models of international trade; • know potential impact pathways how agriculture, trade and global food systems can contribute to achieving the Sustainable Development Goals (SDGs) and can identify potential trade-offs; • can analyze the effects and welfare implications of agricultural trade policy (e.g., tariffs and quotas) and domestic food policy schemes (e.g., subsidies, taxes) using partial equilibrium models; • can outline traditional and modern organizational structures of agricultural and food markets and critically reflect on risks and opportunities of global value chains; • know about the role of consumers and multinational organizations in shaping food markets and value chains; • strengthen their communication and cooperation skills through group work and can critically reflect on their own results and points of view and those of others. 		
Module Content: <ul style="list-style-type: none"> • The globalization of the agri-food sector and changing diets • Conceptual and empirical analysis of agricultural trade and global food markets • Food security, food prices, and SDG 2: Zero hunger • Food safety and food quality issues • The role of private and public food standards in global food markets • The role of consumers in shaping food markets • Selected agricultural trade and food policy interventions 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	30	60
Seminar	30	60
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments and presentation or assignments or assignments and project work • Components of final grade: Assignments (50 %) and presentation (50 %) or assignments (100 %) or assignments (50 %) and project work (50 %) • Form of module retake examination: Assignments 		
Language: English		

MK-103-EN	MK-103-EN Power and Democracy		6 CP
	Power and Democracy		
Core Module / Optional Module	Social Sciences and Cultural Studies / Department of Political Science		1.-4. Sem.;
	Offered for the first time: WS 2015/16		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Political Theory and History of Thought			
Applies to the Study Programmes: Transition Management, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • are able to reconstruct the different meanings of two contested concepts: power and democracy; • are familiar with presenting their own scientific work; • know how to write a scientific paper. 			
Module Content: <ul style="list-style-type: none"> • tension between the ideal and the real • emergence of the surveillance society • relation between power and property • digital divide • decline of the public sphere • threats of media power • political representation • pluralism and tolerance • constraints of public resistance and cosmopolitanism 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture			
Seminar	60	120	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Presentation (7-10 min.) and seminar paper (7-10 pages) or presentation (7-10 min.) and oral exam or presentation (7-10 min.) and written exam • Components of final grade: Presentation (20%); seminar paper or oral exam or written exam (80%) • Form of module retake examination: Presentation and seminar paper or presentation and oral exam or presentation and written exam 			
Language: English			

02-Wiwi:NF/M-VWL-1 Transition and Integration Economics

https://www.uni-giessen.de/mug/7/pdf/7_35/NF/7_35_NF_02_ANL2_WS20_21

https://www.uni-giessen.de/mug/7/findex35.html/7_35_NF/7_35_NF_02

Profile Modules

In the following, we provide a directory with profile modules recommended for this degree programme. Please note that you can choose core modules of other degree programmes, at maximum 4 modules. If you want to choose other modules than the listed ones, please check with the examination office if they are recognized for your degree programme.

MK-002-EN-DI	MK-002-EN-DI Applied Statistics		6 CP
	Applied Statistics		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agronomy and Plant Breeding II		3. Sem.;
	Offered for the first time: WS 2021/22		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Biometry and Population Genetics			
Applies to the Study Programmes: Profil englisch digital, Master (3.);			
Prerequisites for Participation: None			
Learning Outcomes: The Students <ul style="list-style-type: none"> • have knowledge of statistical methods; • have knowledge of experimental designs; • are able to analyse experiments and studies. 			
Module Content: <ul style="list-style-type: none"> • Analysis of variance • Comparison of treatments • Mixed linear models • Experimental designs • Data analysis using statistical software 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar			
Practical training	30	60	
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments (4) • Components of final grade: Assignments (100 %) • Form of module retake examination: Assignments 			
Language: English			

MK-080-EN-DI	MK-080-EN-DI Resource Economics and Sustainable Development		6 CP
	Resource Economics and Sustainable Development		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1./2. Sem.; 2. Sem.;
	Offered for the first time: SS 2022		
	Intake capacity: not limited		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Agrar- und Ressourcenökonomie, Master (1./2.); Sustainable Transition, Master (2.);			
Prerequisites for Participation: None			
Learning Outcomes: The Students <ul style="list-style-type: none"> • know basic management/decision rules of optimal resource use; • understand the concepts of static and dynamic efficiency of resource use; • understand the concept and the meaning of externalities; • understand the theoretical concepts of sustainability and optimal use of (non-) renewable resources; • know the characteristics of energy/electricity markets with fossil and renewable energies; • are familiar with the current climate and energy policy. 			
Module Content: <ul style="list-style-type: none"> • Natural resources • Renewable and non-renewable resources • The sustainability problem • Sustainable economic development • Static and dynamic efficiency • Overview of energy markets with renewable energies • Electricity and its technical and economic characteristics • Climate change and climate policy (emissions trading) 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	60	120	
Seminar			
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments (4-8) or written exam or written exam and assignments (4-6) • Components of final grade: Assignments (100 %) or written exam (100 %) or written exam (50 %), assignments (50 %) • Form of module retake examination: Assignments (4-6) or oral examination 			
Language: English			

MK-096-EN	MK-096-EN Sustainable Agroecosystems	6 CP
	Sustainable Agroecosystems	
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agronomy and Plant Breeding II	1./2. Sem.;
	Offered for the first time: SS 2019	
	Intake capacity: 40	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Organic Farming		
Applies to the Study Programmes: Nutzpflanzenwissenschaften, Master (1./2.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • get insight knowledge in to the complexity of temperate and tropical agroecosystems under integrated, organic and agro-ecological production; • can list and explain different biophysical factors, processes and interactions that control the functioning of agroecosystems; • are able to critically examine agricultural practices and management strategies to increase/stabilize productivity and resource use efficiency, while minimizing negative impacts on the environment and ensuring socio-economic viability; • practice scientific observation in the field; • practically apply agroecologic principles; • can explain and give examples of environmental and socio-economic challenges of farming enterprises; • are able to address a topic by means of scientific methodologies. 		
Module Content: <ul style="list-style-type: none"> • Agriculture from a systems perspective • Principles of agricultural sustainability • Principles of integrated production, organic farming and agroecology • Sustainability impacts of temperate and tropical agroecosystems covering the main crop commodities and land use systems (Arable, grassland, horticulture) • Farming system innovations (e.g. agroforestry, relay cropping, push-pull systems) • Introduction to action research • Practical work in an experimental garden • Writing and presenting own contributions to the given topics • How to access a topic scientifically? Evaluation of various media sources (from brochure to scientific paper) for further successful communication and dissemination of climate change issues. • Excursions to research and private farms 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar	40	80
Practical training		
Exercises		
Excursion	20	40
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (4-6 pages) and oral examination • Components of final grade: Seminar paper (50%), oral examination (50%) • Form of module retake examination: Oral examination 		
Language: English		

MK-106-EN-DI	MK-106-EN-DI Sustainable Food Systems		6 CP
	Sustainable Food Systems		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agronomy and Plant Breeding II		2. Sem.;
	Offered for the first time: SS 2022		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Organic Farming			
Applies to the Study Programmes: Sustainable Transition, Master (2.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • Can apply inter- and transdisciplinary research approaches (e.g. participatory research, action research) • Can analyse their own food systems • Know about best practices of sustainable food system components • Are able to critically examine food systems and suggest improvements • Are able access and address a topic by means of scientific methodologies 			
Module Content: <ul style="list-style-type: none"> • Widening the focus from farming/agroecosystems to food systems • Methods to assess the sustainability of different food systems • Components of sustainable food systems (agricultural production, transformation, logistics, ...) • Food system innovations (e.g. Food Policy Councils, Community Supported Agriculture, Food Saving) • Discussions with local food system stakeholders • Writing and presenting own contributions to the given topics 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar	30	60	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Project work • Components of final grade: Project work (100 %) • Form of module retake examination: Oral exam 			
Language: English			

MK-107-EN-DI	MK-107-EN-DI Natural Resources and Ecosystem Services		6 CP
	Natural Resources and Ecosystem Services		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Landscape Ecology and Resources Management		2. Sem.;
	Offered for the first time: SS 2019		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Landscape, Water and Biogeochemical Cycles			
Applies to the Study Programmes: Sustainable Transition, Master (2.);			
Prerequisites for Participation: None (Basic knowledge of environmental processes and GIS recommended)			
Learning Outcomes: The students <ul style="list-style-type: none"> • understand the concept of ecosystem services; • know how to estimate ecosystem services using InVEST; • are able to assess and evaluate natural resources with regard to multiple ecosystem services for an individual project. 			
Module Content: <ul style="list-style-type: none"> • Introduction to the concept of supporting, regulating, provisioning and cultural ecosystem services • Identification and understanding of multiple ecosystem services provided by different ecosystems • Repetition of GIS software • Learning how to use and analyse spatial datasets with InVEST • Evaluate and use results in the frame of a decision support analysis 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	20	40	
Seminar			
Practical training			
Exercises	40	80	
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (5 - 7 pages) and presentation (10 - 15 min) • Components of final grade: Seminar paper (70 %), presentation (30 %) • Form of module retake examination: Revision of the seminar paper or oral examination 			
Language: English			

MK-108-EN-DI	MK-108-EN-DI Renewable Energy Transition		6 CP
	Renewable Energy Transition		
Core Module / Optional Module	Mathematics and Computer Science, Physics, Geography / Physics		2. Sem.;
	Offered for the first time: SS 2022		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Physics			
Applies to the Study Programmes: Sustainable Transition, Master (2.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> acquire basic physics knowledge about energy production, transport, storage and consumption using fossil, nuclear and renewable sources understand the options and problems of various energy systems, including their impact on global climate and the global carbon and water cycles gain in-depth knowledge of renewable energy systems and their elements know how to identify and address challenges in the transition phase of energy systems that are related to socio-economic and cultural factors 			
Module Content: <ul style="list-style-type: none"> energy usage and conversion fossil and nuclear power plants climate change and acidification of oceans potential of wind, solar, hydro and geothermal energies energy transport and storage interference of energy sectors for industrial, residential, thermal and mobility applications socio-economic and cultural aspects and challenges related to energy scarcity and energy system transitions 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	36	72	
Seminar	24	48	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> Form(s) of assessment: Presentation and assignments Components of final grade: Presentation (50%), assignments (50%) Form of module retake examination: Assignments or oral examination 			
Language: English			

MK-109-EN-DI	MK-109-EN-DI Climate Change and Economic Development		6 CP
	Climate Change and Economic Development		
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1. Sem.;
	Offered for the first time: WS 2019/20		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Sustainable Transition, Master (1.);			
Prerequisites for Participation: None			
Learning Outcomes: The Students <ul style="list-style-type: none"> • are aware of the international challenges in dealing with climate change; • understand the climate change risks in different developing regions; • are able to discuss the potential of climate change mitigation and adaptation strategies and ways to implement and finance them. 			
Module Content: <ul style="list-style-type: none"> • Climate change and economic development in low-income countries • The effects of climate change on the agricultural sector • Coastal regions and islands that are endangered by flooding • Migration and conflicts as possible consequences • The potential of renewable energies in transition and developing countries 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	10	20	
Seminar	50	100	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (15-25 pages) or seminar paper (10-15 pages) and presentation (10-15 min.) or presentation (15-20 min.) • Components of final grade: Seminar paper (100 %) or seminar paper (50 %), presentation (50 %) or presentation (100 %) • Form of module retake examination: Revision of the seminar paper or oral examination 			
Language: English			

MK-110-EN-DI	MK-110-EN-DI Food Politics	6 CP
	Food Politics	
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Consumer Research, Communication and Food Sociology	2. Sem.;
	Offered for the first time: SS 2022	
	Intake capacity: 30	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Food Sociology		
Applies to the Study Programmes: Sustainable Transition, Master (2.);		
Prerequisites for Participation: none		
Learning Outcomes: The students <ul style="list-style-type: none"> • understand historical developments of public debates in the arena of food and politics and thereby develop the ability to question norms, practices and opinions and to take an own position in the sustainability discourse; • distinguish the political and moral meaning of food to reflect their own role in local communities and global society; • analyse problems and developments around consumption, production and regulation in food systems to identify and understand relationships; • formulate an argument about a specific food problem in order to understand and reflect on the norms and values underlying actions. A special focus lies on sustainability-related values, principles and goals, being able to negotiate them in the context of conflicts of interest and necessary compromises, of uncertain knowledge and contradictions; • critically reflect the approaches of various actors who aim to influence the food system and apply different problem-solving approaches to complex sustainability problems. 		
Module Content: This module introduces you to food as a political issue such as hunger, food security, malnutrition, sustainability, power politics, social justice or cultural identity. Food politics is about the political nature of food from fork to farm as well as from local to global levels. Topics might include: <ul style="list-style-type: none"> • food production safety, labelling, and nutrition; • environmental concerns ranging from organic farming and sustainable agriculture to consumption and waste disposal; • politics of specific foods and foodways (e.g. fast food, genetically modified foods, etc.); • ethics of animal care and vegetarianism as politics of the everyday; • politics of hunger and malnutrition food movements (e.g. slow food movement, food sovereignty movement) and other stakeholders. 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar	30	80
Practical training		
Exercises	30	40
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written report (12 to 15 pages) or oral examination • Components of final grade: Written report (100 %) or oral examination (100%) • Form of module retake examination: Revision of the written report or oral examination 		
Language: English		

MK-123-EN-DI	MK-123-EN-DI Transdisciplinary Sustainability Research	6 CP
	Transdisciplinary Sustainability Research	
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Consumer Research, Communication and Food Sociology	1. Sem.;
	Offered for the first time: WS 2022/23	
	Intake capacity: 30	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair of Communication and Engagement in Agricultural, Nutritional and Environmental Sciences		
Applies to the Study Programmes: Sustainable Transition, Master (1.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • gain a comprehensive, interdisciplinary perspective on sustainability science: its theory, research horizons, and practical applications, • understand how multiple disciplines contribute to the understanding of interactive social-environmental systems and to the capacity for guiding such systems in a transformation toward sustainability, • gain insight into the possibilities and limitations of research and its role in society, • are able to critically assess and approach current challenges for sustainable development from various perspectives, • are able to demonstrate the ability to integrate knowledge and gain specialised methodological knowledge for transdisciplinary research • develop communication skills required for participation in inter- and transdisciplinary teams. 		
Module Content: <ul style="list-style-type: none"> • Origins of the concept of sustainable development and its challenges, • Applications across regions will be woven into discussions, • Core ideas of sustainability science, • Social-environmental systems as complex systems, • Understanding of inter- and transdisciplinary research and collaboration, • Qualitative research methods for transformative sustainability research, • Challenges of knowledge integration and linking knowledge with action for sustainable development, • Role of communication in transdisciplinary research and transformation processes. 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar	18	36
Practical training		
Exercises	42	84
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: • Components of final grade: • Form of module retake examination: 		
Language: English		

MK-127-EN	MK-127-EN Socio-Economic Perspectives on Food Systems	6 CP
	Socio-Economic Perspectives on Food Systems	
Core Module / Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1./2. Sem.;
	Offered for the first time: SS 2023	
	Intake capacity: not limited	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Agricultural, Food and Environmental Policy		
Applies to the Study Programmes: Nachhaltige Ernährungswirtschaft, Master (1./2.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • know the many representations and definitions of food systems; • understand the conceptual difference between value chains and food system; • understand the analytical consequences of a system representation of human nutrition systems; • know the current streams of economic thinking applied to food systems; • know the current streams of socio-political thinking applied to food systems; • know indicators for assessing the sustainability of food systems; • have knowledge of the theoretical approaches to alternative nutrition systems. 		
Module Content: <ul style="list-style-type: none"> • Introduction to food systems: a small history of the concept • Food Systems as socio-ecological systems • Modeling food systems • Economics and food systems • Feminist economics, food systems and nutrition • Food systems, food sovereignty and justice • Alternative and decolonizing food systems • In pursuit of sustainable food systems 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	20	40
Seminar	40	80
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (1000-3000 words) or written examination or presentation (10-30 min.) with written assignment (4-12 pages) • Components of final grade: Seminar paper (100 %) or written examination (100 %) or presentation with written assignment (100 %) • Form of module retake examination: Revision of the seminar paper or written examination or revision of the written assignment 		
Language: English		

MP-007-EN	MP-007-EN Food and Nutrition Security and Development	6 CP
	Food and Nutrition Security and Development	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management /	1.-4. Sem.;
	Offered for the first time: SS 2016	
	Intake capacity: 30	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of International Food and Nutrition Security		
Applies to the Study Programmes: Profil englisch, Master (1.-4.);		
Prerequisites for Participation: none		
Learning Outcomes: The students <ul style="list-style-type: none"> • have a good understanding of all relevant topics in international food and nutrition security; • are able to understand how these topics will contribute to food and nutrition security, using the UNICEF conceptual framework of malnutrition and death“; • have a coherent knowledge of the management (including prevention, assessment & treatment) of all forms of malnutrition (marasmus, kwashiorkor, under- and overweight, stunting, wasting, micronutrient malnutrition); • know basics of anthropometric measurements and other diagnostic tools; • know preconditions of food and nutrition security; • understand the contributions, advantages and disadvantages of international food assistance; • know the importance of gender mainstreaming in nutrition security. 		
Module Content: <ul style="list-style-type: none"> • Concept of Food and Nutrition Security (Unicef Modell) • “Nutrition Transition, Double Burden of Malnutrition” • Pathophysiology of malnutrition (Marasmus, Kwashiorkor, Micronutrient malnutrition) • Determinants of Food Security • Population Development and Nutrition Security • Food Assistance: Opportunities, Advantages and Disadvantages • Anthropometric measurements • Food Diversity and Assessment of Dietary Diversity (Dietary Diversity Scores) • Healthy Environment (WASH and Food Safety) and Health Problems • World Market and Fair Trade • Gender and Nutrition Security • Health Systems and Common Sickesses (Including Management) 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	30	60
Seminar	30	60
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Essay (10 pages) and presentation (20-30 min.) • Components of final grade: Essay (50 %), presentation (50 %) • Form of module retake examination: Essay (10 pages) and presentation (20-30 min.) 		
Language: English		

MP-145-EN	MP-145-EN Methods of Regional Analysis and Planning	6 CP
	Methods of Regional Analysis and Planning	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1.-4. Sem.;
	Offered for the first time: WS 2015/16	
	Intake capacity: 30	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair of Agricultural and Food Market Analysis		
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);		
Prerequisites for Participation: None		
Learning Outcomes: Students will <ul style="list-style-type: none"> • recognize the necessity and purpose of demarcation and differentiations of rural regions • have knowledge of the major methods of region differentiation • know key analytic parameters for describing regional structures • be able to apply quantitative methods for the analysis and forecasting of regional developments • recognize the necessity of evaluation within the scope of regional and environmental planning • be able to assess the advantages and disadvantages of various evaluation methods • be able to select and apply adequate evaluation methods for various regional and environmental Planning • consider the basics of project management 		
Module Content: <ul style="list-style-type: none"> • principles of regional grouping and differentiation • methods of regional demarcation • statistical parameters of regional analysis • complex indicators for describing regional structures • methods of regional structural analysis • regional models • foundations of welfare theory • evaluation methods • application of evaluation methods to examples of regional and environmental planning • project management in regional and environmental planning 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	40	80
Seminar		
Practical training		
Exercises	20	40
Excursion		
Total:	180	
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination and seminar paper • Components of final grade: Written examination (80 %), seminar paper (20 %) • Form of module retake examination: Oral examination 		
Language: English		

MP-158-EN	MP-158-EN Insects for Food and Feed Production Systems		6 CP
	Insects for Food and Feed Production Systems		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Insect Biotechnology		1.-4. Sem.;
	Offered for the first time: WS 2018/19		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Applied Entomology			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • learn analytical procedures used in the area of food and feed • gain insight into processing systems for food production • learn to identify edible insects and get information about their morphology, physiology, and ecology • gain knowledge on strategies to convert waste to food • present their research results in the form of a seminar talk 			
Module Content: <ul style="list-style-type: none"> • biology of edible insects and introduction to different insect rearing systems • basic methods used in modern food analysis • Analysis of available databases and literature for suitable insects, protein requirements and improved waste management 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	42	84	
Seminar	18	36	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination and presentation (15 min.) • Components of final grade: Written examination (75%), presentation (25%) • Form of module retake examination: Written examination 			
Language: English			

MP-163-EN-DI	MP-163-EN-DI Python for Environmental Scientists		6 CP
	Python for Environmental Scientists		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Landscape Ecology and Resources Management		1.-4. Sem.;
	Offered for the first time: WS 2018/19		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Landscape, Water and Biogeochemical Cycles			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • understand the basic concepts of Python; • can work with data from different sources and formats; • know common scientific Python packages and what they are used for; • can perform basic time series analysis; • can create graphics for environmental data; • can perform basic statistics in Python. 			
Module Content: <ul style="list-style-type: none"> • Basic concepts of Python • Scientific Python packages like numpy, matplotlib, pandas • Using data form different formats • Plotting in Python • Time series analysis in Python • Statistics in Python 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	15	30	
Seminar			
Practical training			
Exercises	45	90	
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (5-7 pages) and presentation (10 - 15 min) • Components of final grade: Seminar paper (50 %), presentation (50 %) • Form of module retake examination: Revision of the seminar paper 			
Language: English			

MP-181-EN	MP-181-EN Gender and Development		6 CP
	Gender and Development		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: SS 2019		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have basic understanding of gender terms, get acquainted with the gender glossary; • are able to take part in scientific discussions on the subject; • are able to independently prepare a selected topic, take a reflective, critical review as well as applying gender lenses and perspectives. 			
Module Content: <ul style="list-style-type: none"> • Introduction to gender and development • Gender roles, changing relationships • Decision making and empowerment • Gender and natural resource management • Gender, assets and inputs • Gender and agricultural labour • Time allocation and the economic role of women in agriculture • Nutrition and Gender • Knowledge, methods and access to information, technology • Gender sensitive academic research and development projects 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture			
Seminar	60	120	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Presentation (20 min.) and seminar paper (3-5 pages) • Components of final grade: Presentation (40 %) and seminar paper (60 %) • Form of module retake examination: Revision of the seminar paper 			
Language: English			

MP-184-EN	MP-184-EN Democracy and Postcoloniality	6 CP
	(Title of the faculty 03) Theories of Injustice	
Optional Module	Social Sciences and Cultural Studies / Department of Political Science	2./4. Sem.;
	Offered for the first time: SS 2020	
	Intake capacity: not limited	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Political Theory and History of Thought		
Applies to the Study Programmes: Profil englisch, Master (2./4.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • are introduced to normative theories of democracy with a focus on the classical canon of European and American Political Thought; • will gain knowledge of fundamental concepts in democratic theory, particularly political legitimacy, equality, participation and representation; • will broaden their knowledge beyond the classical canon of democratic theory by exploring feminist, non-Western, race critical, and postcolonial theories, criticisms, and models of democracy; • will deepen their understanding of recent debates about the crisis of democracy and will learn to discuss political, social, and economic challenges inherent to modern democracies in a postcolonial world. 		
Module Content: <ul style="list-style-type: none"> • Conceptions of Democracy in Modern Political Thought • The Classical and the Secret History of Democracy • The Moral and the Undemocratic Foundations of Democracy: Coloniality, Gender, Class, Race • Democracy and the Rule of Law, Human Rights, and Justice • Transnational, Global, and Cosmopolitan Democracy • Critics of Democracy within Western and non-Western Political Thought • Migration, Refugees, and the Limits of Democratic Citizenship • Problems of External Democracy Promotion • The Crisis of Liberal Constitutional Democracy and the Challenges of Authoritarianism, Populism, and Neoliberalism • Alternative Models of Democracy Beyond Liberalism and the Rule of Law (Abolition Democracy, Ecological Democracy, Radical Democracy, Politics of the Commons, etc.) • Democracy and Postcoloniality in the Global South and North 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar	30	150
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Presentation and seminar paper or presentation and oral examination or presentation and written examination • Components of final grade: Presentation (20 %), seminar paper (80 %) or presentation (20 %), oral examination (80 %) or presentation (20 %), written examination (80 %) • Form of module retake examination: 		
Language: English		

MP-186	MP-186 Business Administration for Scientists		6 CP
	Business Administration for Scientists		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Nutritional Sciences		1.-4. Sem.;
	Offered for the first time: WS 2019/20		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Biochemistry and Molecular Biology			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation:			
Learning Outcomes:			
Module Content:			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar	30	60	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination:			
Module Examination:			
<ul style="list-style-type: none"> • Form(s) of assessment: • Components of final grade: • Form of module retake examination: 			
Language: German and/or English			

MP-196	MP-196 Internship		12 CP
	Berufspraktikum		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management /		1. - 4. Sem.;
	Offered for the first time: WS 2019/20		
	Intake capacity: not limited		
Frequency and Duration: WS and SS, 1 Semester			
Module Coordinator: Study deanery			
Applies to the Study Programmes: Profil englisch, Master (1. - 4.); Profil, Master (1. - 4.);			
Prerequisites for Participation: Keine			
Learning Outcomes: The Students <ul style="list-style-type: none"> gain in-depth experience as interns in future fields of activity and professions; have practical knowledge and skills from their internship companies and understand the connection between study and practice; concretise their personal career perspectives (career planning). 			
Module Content: <ul style="list-style-type: none"> Development of future occupational fields Practical experience in companies in the fields of agricultural sciences, environmental sciences, ecotrophology and nutritional sciences Reflection on one's own practical professional activity 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture			
Seminar			
Practical training	360		
Exercises			
Excursion			
Total:		360	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> Form(s) of assessment: Internship report (tasks, activities, acquired knowledge and skills, reflection). The report must be assessed as "passed". Components of final grade: Formation of the module mark: ungraded performance Form of module retake examination: Revision of the internship report 			
Language: German and/or English			

MP-208-EN-DI	MP-208-EN-DI Concepts of Ecological Economics		6 CP
	Concepts of Ecological Economics		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: SS 2020		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • know about ecological economics and political ecology as analytical concepts to assess challenges in the sustainable use of natural resources in the world, and especially natural resource use conflicts between different agents. • understand the difference between neo-classical economic models, environmental economics and ecological economics. • can explain the basic assumptions held in ecological economics • can identify work domain in which ecological economics is appropriate and formulation questions which can be answered by using approaches rooted in ecological economics. • know by name and by basic concept several different analytical methods used in ecological economics • know in-depth about one analytical methods and are in a position to convey their knowledge to peers 			
Module Content: <ul style="list-style-type: none"> • Introduction to ecological economics and position with regard to other neo-classical economics of natural resources • Context of use of ecological economics and history of development: conflicts in natural resource use • Main assumptions underlying ecological economics • Different methods and approaches used in ecological economics studies • Role of political aspects in the use of natural resources 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	20	40	
Seminar	40	80	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Homework, presentation (10-30 min.) with written report (between 4 and 12 pages) and seminar paper (1000 bis 2500 Wörter) • Components of final grade: Homework (30 %), presentation with written report (40 %) and seminar paper (30 %) • Form of module retake examination: Oral examination 			
Language: English			

MP-209-EN	MP-209-EN Field-Work based Research in Socio-Economics	6 CP
	Field-Work based Research in Socio-Economics	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1.-4. Sem.;
	Offered for the first time: WS 2019/20	
	Intake capacity: 30	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair of Agricultural, Food and Environmental Policy		
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);		
Prerequisites for Participation: None (Participants need to bring a research idea and a draft proposal for a research project.)		
<p>Learning Outcomes: The students</p> <ul style="list-style-type: none"> • are informed about the usual proposal structure • learn evaluation criteria for the quality of the proposal • are comfortable with the terms, research questions, empirical questions, main research hypothesis/claim, and research design. • practice in operationalizing the concepts in their own work and the work of others for the planning of research activities • learn about mixed methods and plan a research design for their proposal • reflect on writing for an audience • are introduced to thinking about the art of conducting research • practice peer-reviewing. • learn about good scientific practices regarding their field work in aspects of: <ul style="list-style-type: none"> ○ Organization ○ Ethics and data protection ○ Digital data collection for questionnaires. • can recognize ethical dilemmas in the conduction of research. 		
<p>Module Content:</p> <ul style="list-style-type: none"> • Inputs on proposal writing, research design and mixed methods, the role of the research, university guidelines for data management and ethical dilemmas. • Theatre techniques • to improve scientific communication • Individual work on the own research design and practice of peer-reviewing • Awareness on digital data collections • Student inputs on methods • Discussion and exchange among participants • Role plays 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	30	60
Seminar		
Practical training		
Exercises	30	60
Excursion		
Total:	180	
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Project work (draft for a research proposal (6-15 pages)) • Components of final grade: Project work (100 %) • Form of module retake examination: Revision of project work or oral exam 		
Language: English		

MP-210-EN-DI	MP-210-EN-DI Land Governance for Sustainable Land Use in Africa		6 CP
	Land Governance for Sustainable Land Use in Africa		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time:		
	Intake capacity: 20		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • are able to identify and explain key issues with respect to land governance for sustainable land use in the context of African countries • are able to apply knowledge to multidisciplinary and practical problems on issues of access to land • are able to apply knowledge to multidisciplinary and practical problems on issues of land management • are able to identify and address challenges of land governance in the African context. 			
Module Content: <ul style="list-style-type: none"> • Access to land in Africa (land rights, land markets, land reform, social and human implications of the land reform) • Land management (impacts of land use, stakeholders, • Sustainable land management, land governance, case studies 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	54	100	
Seminar	6	20	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination, presentation (10-15 min.), seminar paper (5-8 pages) • Components of final grade: Written examination (50 %), presentation (25 %), seminar paper (25 %) • Form of module retake examination: Written examination 			
Language: English			

MP-211-EN-DI	MP-211-EN-DI Agriculture, Ecosystem Functioning and Climate Change		6 CP
	Agriculture, Ecosystem Functioning and Climate Change		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Landscape Ecology and Resources Management		1.-4. Sem.;
	Offered for the first time: WS 2020/21		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Landscape Ecology and Landscape Planning			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • understand the importance of climatic conditions and effects of climate change for agricultural production and ecosystem functioning; • understand the biochemical processes in agriculture resulting in greenhouse gas emissions and carbon sequestration; • know how to quantify greenhouse gas emissions from agriculture on local to regional scales; • know measures in agriculture to mitigate and adapt to climate change. 			
Module Content: <ul style="list-style-type: none"> • Abiotic controlling factors in agriculture and for ecosystem functioning • Biochemical processes of CO₂, nitrous oxide and methane release in agriculture • Calculation methods of greenhouse gas emissions from agriculture on various spatial scales • Climate as driver of biodiversity change • Climate mitigation and adaptation strategies in agriculture • CO₂ footprints of agricultural products 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	40	80	
Seminar			
Practical training			
Exercises	20	40	
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination, presentation (15-20 min.) and written assignment (15-20 pages) • Components of final grade: Written examination (50 %), presentation (25 %), written assignment (25 %) • Form of module retake examination: Written examination 			
Language: English			

MP-214-EN	MP-214-EN Econometrics and Modelling Applications		6 CP
	Econometrics and Modelling Applications		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: SS 2020		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil englisch, Master (1.-4.); Profil, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • know the basic aspects of econometrics and economic modelling methods that are common in international, environmental and development economics; • have profound knowledge about the application possibilities of different methods with their advantages and limitations and the interpretation of the application results; • can critically reflect and interpret scientific articles using such methods, review these articles in their seminar paper and present them; • know how to write a methodology-based thesis in the future. 			
Module Content: <ul style="list-style-type: none"> • Introduction to economic models and scenario simulations • Overview of applied econometric methods • Development, agriculture, environment, climate and trade policy • Technological cooperation with developing countries in the areas agriculture and technology 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	8	16	
Seminar	52	104	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Seminar paper (10-20 pages) or seminar paper (10-12 pages) and presentation (10-15 min.) or presentation (15-20 min.) • Components of final grade: Seminar paper (100 %) or seminar paper (60 %), presentation (40 %) or presentation (100 %) • Form of module retake examination: Revision of the seminar paper or oral examination 			
Language: English			

MP-215-EN	MP-215-EN Regulation of Agricultural Value Chains		6 CP
	Regulation of Agricultural Value Chains		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: SS 2020		
	Intake capacity: 30		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have in-depth knowledge of the discussed subject • know the theoretical basics of the field and know how to classify it • are able to apply their knowledge of research results and research methods to selected scientific issues • are capable to process advanced knowledge and to put it into practice 			
Module Content: <ul style="list-style-type: none"> • Food safety • Nutrition and health • Animal welfare • Environmental sustainability and organic farming • Agrobiotechnology • Digitalisation and innovation 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar			
Practical training	30	60	
Exercises			
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination and seminar paper (15-25 pages) or oral examination and seminar paper (15-25 pages) or oral examination • Components of final grade: Written examination (50 %) and seminar paper (50 %) or oral examination (50 %) and seminar paper (50 %) or oral examination (100 %) • Form of module retake examination: Written examination or oral examination 			
Language: English			

MP-218-EN-DI	MP-218-EN-DI The Economics of Nitrate Pollution		6 CP
	The Economics of Nitrate Pollution		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: WS 2020/21		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> are able to identify, find and evaluate advanced literature on current topics, and to sum up and present the state of research; are able to participate in scientific discussions on the subject and to develop these further; are able to give their view on specific question critically and well-founded; are able to prepare their advanced knowledge for a transfer into practice.			
Module Content: <ul style="list-style-type: none"> Theoretical and methodological concepts for the economic analysis of nitrate pollution Specific emphasis on the topic of nitrate pollution from the perspective of (1) environmental economics, (2) institutional economics, (3) behavioral economics, and (4) innovation economics			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture			
Seminar	30	60	
Practical training	30	60	
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> Form(s) of assessment: Presentation (10-15 min.) and written assignment (15-25 pages) or seminar paper (15-25 pages) or oral examination and presentation (10-15 min.) Components of final grade: Presentation and written assignment (100 %) or seminar paper (100 %) or oral examination (50), presentation (50 %) Form of module retake examination: Revision of the written assignment or revision of the seminar paper within four weeks or oral examination 			
Language: English			

MP-220-EN-DI	MP-220-EN-DI Special Topics of the UN Sustainable Development Goals I		6 CP
	Special Topics of the UN Sustainable Development Goals I		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: WS 2022/23		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural and Food Market Analysis			
Applies to the Study Programmes: Profil englisch, Master (1.-4.); Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have in-depth knowledge of the discussed subject; • know the theoretical basics of the field and important empirical applications; • are able to apply their knowledge of research methods to selected scientific issues; • are capable to conduct their own project work. 			
Module Content: <ul style="list-style-type: none"> • Current topics of the research field 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar	30	60	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments and project work or oral examination and project work or oral examination • Components of final grade: Written assignments (50 %) and project work (50 %) or oral examination (50 %) and project work (50 %) or oral examination (100 %) • Form of module retake examination: Written assignments or oral examination 			
Language: English			

MP-221-EN-DI	MP-221-EN-DI Special Topics of the UN Sustainable Development Goals II		6 CP
	Special Topics of the UN Sustainable Development Goals II		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: WS 2022/23		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Agricultural and Food Market Analysis			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil englisch, Master (1.-4.); Profil, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have in-depth knowledge of the discussed subject; • know the theoretical basics of the field and important empirical applications; • are able to apply their knowledge of research methods to selected scientific issues; • are capable to conduct their own project work. 			
Module Content: <ul style="list-style-type: none"> • Current topics of the research field 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	30	60	
Seminar	30	60	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments and project work or oral examination and project work or oral examination • Components of final grade: Written assignments (50 %) and project work (50 %) or oral examination (50 %) and project work (50 %) or oral examination (100 %) • Form of module retake examination: Written assignments or oral examination 			
Language: English			

MP-222-EN	MP-222-EN Introduction to International Trade		6 CP
	Introduction to International Trade		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research		1.-4. Sem.;
	Offered for the first time: SS 2021		
	Intake capacity: not limited		
Frequency and Duration: SS, 1 Semester			
Module Coordinator: Chair of Agricultural, Food and Environmental Policy			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • will understand the relevance of international trade with its different facets for our world • will understand drivers, mechanisms and effects of international trade • will understand the distributional and welfare effects of trade policy • will understand how they can critically judge policy news with expert their knowledge 			
Module Content: <ul style="list-style-type: none"> • the world economy: historical developments and descriptive statistics of international trade • main exporters, importers and traded goods; the role of developing countries and agricultural goods • basic models of international trade and graphical trade policy analysis • foreign direct investments, technological progress, environmental effects and the ideas of advanced trade models 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	48	72	
Seminar			
Practical training			
Exercises	12	48	
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination or assignments (4-8) or oral examination • Components of final grade: Written examination (100 %) or assignments (100 %) or oral examination (100 %) • Form of module retake examination: Written examination or assignments (4-8) or oral examination 			
Language: English			

MP-223-EN	MP-223-EN Applied Econometric Methods for the Social Sciences	6 CP
	Applied Econometric Methods for the Social Sciences	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1.-4. Sem.;
	Offered for the first time: SS 2021	
	Intake capacity: 30	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Agricultural, Food and Environmental Policy		
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);		
Prerequisites for Participation: None (Basic knowledge of statistics/empirical research methods recommended)		
Learning Outcomes: The students <ul style="list-style-type: none"> • get familiar with fundamental econometric techniques (their potential and limitations) prevailing academic literature in social sciences; • develop ability to reason on the appropriation of specific econometric methods; • learn fundamentals of evaluation, interpretation and application of scientific knowledge in the context of empirical research methods; • exercise in consolidating theoretical knowledge into empirical hypothesis testable with applied econometric methods; • gain practical skills of conducting econometric analysis in “R” independently, using real-world data; • know how to interpret and communicate statistical results of the econometric analysis in the way accessible for an interdisciplinary audience; 		
Module Content: <ul style="list-style-type: none"> • Multiple regression analysis; • Panel regression analysis; • Binary outcome variable regression analysis; • Endogeneity and tackling methods; • Methods of impact evaluation in social sciences; 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	30	60
Seminar		
Practical training		
Exercises	30	60
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination and project work or written examination and oral examination or presentation and oral examination • Components of final grade: Written examination (60 %), project work of 7 to 10 pages (40 %) or written examination (60 %), oral examination (40 %) or presentation of 10 to 15 minutes (40 %), oral examination (60 %) • Form of module retake examination: Oral examination 		
Language: English		

MP-224-EN	MP-224-EN International Agricultural Development	6 CP
	International Agricultural Development	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1.-4. Sem.;
	Offered for the first time: SS 2021	
	Intake capacity: 30	
Frequency and Duration: SS, 1 Semester		
Module Coordinator: Chair of Agricultural, Food and Environmental Policy		
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • gain insight into current scientific debates and research results • gain a deeper understanding of the underlying economic mechanisms as well as critical assessments of agricultural development theory and policy; • know about the major action arenas in international agricultural development; • get familiarized with the leading international case studies of success and failure in agricultural development. 		
Module Content: <ul style="list-style-type: none"> • Conceptual & methodological preliminaries of international agricultural development • Rural vs. urban development, migration • Land relations • Labour relations • Credit & insurance • Gender relations • Farm organisation • Intensification & resource depletion • Innovation • Livestock • Value chains • Agricultural policy for economic development 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture	60	120
Seminar		
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Written examination or seminar paper (15-20 pages) or written examination and seminar paper (10-15 pages) • Components of final grade: Written examination (100 %) or seminar paper (100 %) or written examination (50 %), seminar paper (50 %) • Form of module retake examination: Written examination or revision of the seminar paper or written examination and revision of the seminar paper 		
Language: English		

MP-230-EN-DI	MP-230-EN-DI Sustainable Plant Protection		6 CP
	Sustainable Plant Protection		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Insect Biotechnology		1.-4. Sem.;
	Offered for the first time: WS 2022/23		
	Intake capacity: 30		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Applied Entomology			
Applies to the Study Programmes: Profil englisch digital, Master (1.-4.); Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None (recommended: basic knowledge in Organic Chemistry, Entomology, Molecular Biology, Microbiology, and Mycology)			
Learning Outcomes: <ul style="list-style-type: none"> gain a comprehensive overview of the theoretical background and practical approaches of modern, sustainable plant protection; will be able to work in the field of plant protection in agri- and horticulture, in agrochemical and biotechnological industry, for regulation authorities, and in in plant health service. 			
Module Content: <ul style="list-style-type: none"> General aspects and history of plant protection Past, present, and future of the major classes of pesticides used for chemical control of plant diseases (Fungicides, Herbicides, Insecticides, acaricides, and nematocides) Impact of agriculture on biodiversity and insect decline Screening for new plant-protective compounds Invertebrates (beneficial insects and other arthropods, entomopathogenic nematodes) Biotechnological approaches – Semiochemicals (pheromones and allelochemicals) Entomopathogenic bacteria, viruses, and fungi Precision Agriculture approaches RNAi approaches Tools for genome editing GMO's Restoring biodiversity in agricultural landscapes 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	36	72	
Seminar	24	48	
Practical training			
Exercises			
Excursion			
Total:		180	
Prerequisite for Examination: None			
Module Examination: <ul style="list-style-type: none"> Form(s) of assessment: Oral examination Components of final grade: Oral examination (100 %) Form of module retake examination: Oral examination 			
Language: English			

MP-246-EN	MP-246-EN Transition to a Sustainable Bioeconomy		6 CP
	Transition to a Sustainable Bioeconomy		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agronomy and Plant Breeding I		1.-4. Sem.;
	Offered for the first time: WS 2022/23		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator:			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have knowledge of origin and evolution of the Bioeconomy; • have insight into genetic and environmental factors influencing primary production in agricultural crops; • have an overview of Knowledge base for biobased value chains; • have an appreciation of Bioeconomy strategies and Policies. 			
Module Content: <ul style="list-style-type: none"> • History and development of bioeconomy: Policies and progress in different countries • Overview of crop types: annual v perennial, C3 v C4 • Biomass yield: potential, attainable and actual with crop modelling • Biomass utilisation cascades: actual and potential • Recent projects running in different countries • Sustainability criteria, life cycle assessment 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	20		
Seminar	10		
Practical training	4		
Exercises			
Excursion	12		
Total:		46	
Prerequisite for Examination:			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: • Components of final grade: • Form of module retake examination: 			
Language: English			

MP-247-EN-DI	MP-247-EN-DI Land Use Change Projection with Q-GIS		6 CP
	Land Use Change Projection with Q-GIS		
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Landscape Ecology and Resources Management		1.-4. Sem.;
	Offered for the first time: WS 2022/23		
	Intake capacity: not limited		
Frequency and Duration: WS, 1 Semester			
Module Coordinator: Chair of Landscape, Water and Biogeochemical Cycles			
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.); Profil englisch digital, Master (1.-4.);			
Prerequisites for Participation: None			
Learning Outcomes: The students <ul style="list-style-type: none"> • have mastered the basics of QGIS; • can work with spatial data from different sources and formats; • can perform landscape analyses with QGIS and develop land use scenarios based on these analyses; • can develop spatial algorithms with Google Earth Engine. 			
Module Content: <ul style="list-style-type: none"> • Introduction to the basics of QGIS • Use of spatial data from different formats • Introduction to landscape analysis with QGIS • Use of Google Earth Engine 			
Forms of Instruction:	Contact hours	Preparation and follow-up work	
Lecture	15	30	
Seminar			
Practical training			
Exercises	45	90	
Excursion			
Total:		180	
Prerequisites for Examination: None			
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Assignments (8-10 pages) • Components of final grade: Assignments (100 %) • Form of module retake examination: Revision of the assignments 			
Language: English			

MP-252-EN-DI	MP-252-EN-DI Sustainable Water Management	6 CP
	Sustainable Water Management	
Optional Module	Agricultural Sciences, Nutritional Sciences, and Environmental Management / Department of Agricultural Policy and Market Research	1.-4. Sem.;
	Offered for the first time: WS 2023/24	
	Intake capacity: 30	
Frequency and Duration: WS, 1 Semester		
Module Coordinator: Chair of Agricultural, Food and Environmental Policy		
Applies to the Study Programmes: Profil, Master (1.-4.); Profil englisch, Master (1.-4.);		
Prerequisites for Participation: None		
Learning Outcomes: The students <ul style="list-style-type: none"> • are able to identify and evaluate advanced literature on current (research?) topics and summarize and present the current state of research; • are able to get involved in scientific discussions and develop them further; • are able to make a critical and well-founded statement on specific topics and can develop them further. 		
Module Content: <ul style="list-style-type: none"> • Water Resources, Water Governance and Management • Water Security: from Concept to Reality • Integrated Water Resources Management: Principles and Instruments • Socio-Technical Aspects of Water Resources Management • Water Management Under Uncertainty: Climate and Water • Transboundary Water Resources Management • Water Diplomacy • Agenda 2030 And SDG 6 (Clean Water and Sanitation) • SDG Interlinkages – Synergies & Tradeoffs 		

Forms of Instruction:	Contact hours	Preparation and follow-up work
Lecture		
Seminar	60	120
Practical training		
Exercises		
Excursion		
Total:		180
Prerequisites for Examination: None		
Module Examination: <ul style="list-style-type: none"> • Form(s) of assessment: Presentation (15–20 Min.) with written assignment (5–7 pages) or seminar paper (15–20 pages) or written examination and presentation (15–20 Min.) • Components of final grade: Presentation (50 %) with written assignment (50 %) or seminar paper (100 %) or written examination (50 %) and presentation (50 %) • Form of module retake examination: Revision of the written assignment or revision of the seminar paper or oral exam 		
Language: English		

Modules of other Faculties

Faculty 01 – Law

International Migration Law (Public International Law IV)

Type of Module	Profile
Semester / CP	Summer semester / 6 CP (with final evaluation) or 2 CP (participation certificate)
Faculty / chair / department	Öffentliches Recht und Europarecht / Public Law and European Law
Module coordinator	Prof. Dr. Jürgen Bast, Lecturer: Janna Wessels
Prerequisites for participation	MK 101 Law in Transition
Module content	<ul style="list-style-type: none"> • overview of International Migration Law • modern international law • core concepts such as nationality, territorial jurisdiction, and human rights • identifies specific regimes applicable to refugees, family migrants, and migrant workers • multi-layered structure of international and European migration laws
Forms of instruction	Lecture
Form(s) of assessment	Students can choose exam or research essay (100%)
Registration for the Module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Please register for the examination directly with the lecturer. Afterwards the certificate has to be submitted to the examination office of faculty 09 for recognition.
Components of final grade	Exam or research essay (100%)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 01! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

Faculty 02 - Economics and Business Studies

02-VWL: MSc-V1-2 – Industrial Organization

Type of Module	Profile
Semester / CP	Wintersemester / 6 CP
Faculty / chair / department	Professur VWL I - Industrieökonomie, Wettbewerbspolitik und Regulierung / Department of Economics
Module coordinator	Prof. Dr. Georg Götz
Prerequisites for participation	none
Module content	<ul style="list-style-type: none"> • Strategic opportunities for companies in oligopoly competition • Price discrimination • Horizontal and vertical product differentiation • Research and Development • Informative vs. persuasive advertising • Cartels and mergers
Forms of instruction	Lecture + Tutorial (Exercises)
Form(s) of assessment	Written examination (Physical attendance), Assignments, Presentation (online)
Registration for the Module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration*	Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Final exam (85%) Submission of assignments (10%) Participation in class and presentation of problem sets (5%)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator. Please also read the information in Stud.IP!
Time and Place	Please check StudIP or contact the lecturer

*Deadline for exam registration on:

<https://www.uni-giessen.de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine>

02-VWL: MSc-V3-1 – Theory of International Trade

Type of Module	Profile
Semester / CP	Wintersemester / 6 CP
Faculty / chair / department	Internationale Wirtschaftsbeziehungen (VWL III) / International economic relations
Module coordinator	Prof. Dr. Jürgen Meckl
Prerequisites for participation	<ul style="list-style-type: none"> • Microeconomic Theory (BSc level) • International Economics (BSc level) • Basic knowledge of specific mathematical methods • Basic knowledge of Econometrics and Statistics
Module content	<ul style="list-style-type: none"> • Generalizations of neoclassical foreign trade theory • Trade in intermediate products and fragmentation of production • World market integration and effects on labour markets • Globalisation and economic growth
Forms of instruction	Lecture + Tutorial (Exercises)
Form(s) of assessment	Written examination with physical attendance
Registration for the Module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration*	Exam registration and module certificate via the examination office Faculty 02- pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Written examination (100%)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the module coordinator. Please also read the information in Stud.IP!
Time and Place	Please check StudIP or contact the lecturer

*Deadline for exam registration on:

<https://www.uni-giessen.de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine>

02-VWL: MA-St-01 – Advanced Econometrics

Type of Module	Profile
Semester / CP	Wintersemester / 6 CP
Faculty / chair / department	Professur für Statistik und Ökonometrie (VWL) / Chair of Statistics and Econometrics
Module coordinator	Prof. Dr. Peter Winker
Prerequisites for participation	none
Module content	<ul style="list-style-type: none">• Basic questions of microeconomic analyses• Estimation procedures and hypothesis tests• Models for panel data• Models with discrete and limited dependent variables
Forms of instruction	Lecture + Tutorial (Exercises)
Form(s) of assessment	Written examination + intermediate tests, Physical Attendance
Registration for the Module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration*	Exam registration and module certificate via the examination office Faculty 02- pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Final Exam (or Retake Exam) (50%) Three Intermediate Exams (50%)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator. Please also read the information in Stud.IP!
Time and Place	Please check StudIP or contact the lecturer

*Deadline for exam registration on:

<https://www.uni-giessen.de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine>

02-Wiwi:NF/M-VWL-1 – Transition and Integration Economics

Type of Module	Core
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Professur für VWL IV - Transformations- und Integrationsökonomik / Professorship for Economics - Transformation and Integration Economics
Module coordinator	Prof. Dr. Matthias Göcke
Prerequisites for participation	none
Module content	<ul style="list-style-type: none">• Characteristics and functioning of the market economy and centrally planned economy• Problems of centrally planned economies,• Elements of a transformation of economic systems,• forms of integration of economic areas,• microeconomic and macroeconomic effects of the integration of economic areas
Forms of instruction	Lecture or Online Lecture (synchronous), dependent on the Corona situation, additional Video Lectures (asynchronous)
Form(s) of assessment	Written examination with physical attendance
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Exam (100 %)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

02-BWL:MSc-B10-1 – Managing the Innovation Process

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Betriebswirtschaftslehre mit dem Schwerpunkt Technologie-, Innovations- und Gründungsmanagement (BWL X) / Business administration with a focus on technology, innovation and start-up management
Module coordinator	Prof. Dr. Monika Schuhmacher
Prerequisites for participation	none
Module content	<ul style="list-style-type: none"> • understanding and capacity for managing innovation processes • particular focus will be placed on specific stages of the innovation process as well as on strategic decision making throughout the innovation process • advanced frameworks, concepts, and methods for innovation strategic choices throughout the innovation process not only for product innovations but also for service or business model innovations
Forms of instruction	Online Lecture with Exercises
Form(s) of assessment	Written examination with physical attendance, Assignment
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	<p>Module is not available in FlexNow for students of Transition Management.</p> <p>Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de</p> <p>https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine</p>
Components of final grade	Written examination (80 – 100 %), Assignment (0 – 20%) Will be announced at the beginning of the course.
Language	English
Additional Information	<p>Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.</p> <p>Please enrol in the Lecture and the Exercise Group in Stud.IP.</p> <p>Please note that it is important to attend the first session of the module because then the form of examination will be determined and explained in detail.</p>
Time and Place	Please check StudIP or contact the lecturer

02-VWL:MSc-V1-1 – Economics of Regulation

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Professur für VWL I - Industrieökonomie, Wettbewerbspolitik und Regulierung / Professorship for Economics - Industrial Economics, Competition Policy and Regulation
Module coordinator	Prof. Dr. Georg Götz
Prerequisites for participation	none
Module content	<ul style="list-style-type: none">• Introduction to the Economics of Regulation• Cost theory (subadditivity etc.)• Pricing in natural monopoly (Ramsey-Boiteux and peak-load)• Regulation under asymmetric information with respect to cost and effort• Rate of return regulation vs. price-cap regulation• Introducing competition in network industries
Forms of instruction	Lecture or Online Lecture (synchronous or asynchronous), dependent on the Corona situation, additional Exercises (synchronous)
Form(s) of assessment	Written examination with physical attendance, Assignment, Participation
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Will be announced at the beginning of the course.
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

02-VWL:MSc-V1-3 – Economics of Innovation

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Professur für VWL I - Industrieökonomie, Wettbewerbspolitik und Regulierung / Professorship for Economics - Industrial Economics, Competition Policy and Regulation
Module coordinator	Prof. Dr. Georg Götz
Prerequisites for participation	
Module content	<ul style="list-style-type: none"> • Models of Imperfect Competition • The Basic Model; Persistence of monopoly • Industrial structure and the volume of R&D expenditures • Patents and Patent Policy; Licensing • Uncertainty and R&D: Patent Races • Adoption and diffusion of new technology • Research Joint Ventures • Network effects, standardization, and compatibility • Innovations • Technology Policy • Seminar on “(Pharmaceutical) Innovation and Technology Policy”
Forms of instruction	Lecture or Online Lecture (synchronous or asynchronous), dependent on the Corona situation, additional Exercises (synchronous)
Form(s) of assessment	Written examination with physical attendance, Assignment, Participation
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Exam (80-90%), Assignment + Participation (10-20%) Will be announced at the beginning of the course.
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

02-VWL:MSc-V3-2 – Trade Policy and International Factor Movements

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Professur für VWL III - Internationale Wirtschaftsbeziehungen / Chair for Economics III - International Economics
Module coordinator	Prof. Dr. Jürgen Meckl
Prerequisites for participation	recommended: Theory of International Trade
Module content	<ul style="list-style-type: none"> • Gains from trade • Trade policy and market structures • Political economy of trade policy • Factor movements and direct investment
Forms of instruction	Online Lecture with integrated Tutorials and Videos + Exercises
Form(s) of assessment	Written examination with physical attendance
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	<p>Module is not available in FlexNow for students of Transition Management.</p> <p>Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamt@wirtschaft.uni-giessen.de</p> <p>https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine</p>
Components of final grade	Exam (100 %)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

02-VWL:MSc-V5-1 – Financial Markets and International Macroeconomics

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	VWL V - Professur für Monetäre Ökonomik / Chair of Monetary Economics
Module coordinator	Prof. Dr. Peter Tillmann
Prerequisites for participation	none
Module content	<ul style="list-style-type: none">• Capital flows and current account balances• Intertemporal modelling of current account balances in theory and empiricism• Exchange rates and interest rates• Exchange Rate Models: Theory and Empirical Evidence
Forms of instruction	Online lecture and exercise
Form(s) of assessment	Written examination with physical attendance
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Exam Registration and module certificate via the examination office Faculty 02 - pruefungsamtwirtschaft.uni-giessen.de https://www.uni-giessen.de/de/fbz/fb02/service-fuer-studierende/service-center/ssp-downloads/termine
Components of final grade	Exam (100 %)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 02! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer

Faculty 08 – Biology and Chemistry

Usually only few seats are available for other faculties. If interested please contact the lecturer.

M-GC-PCE – Political Consulting – Environmental Policy and Development

Type of Module	Profile
Semester / CP	Summer semester / 6 CP
Faculty / chair / department	Institut für Pflanzenökologie / Institute for Plant Ecology
Module coordinator	Prof. Christoph Müller, Dr. Regina Gaitsch
Prerequisites for participation	none
Module content	<ul style="list-style-type: none"> • Approaches, processes, fields and actors of political consulting • Lecture series by external experts from nature conservation, development • Cooperation, fight against poverty, equal rights, energy transition, biodiversity research etc. • Best-practice • Practical exercises on political consulting
Forms of instruction	Online Lecture (Webex), Online Seminar (Webex)
Form(s) of assessment	Written report, oral presentation
Registration for the module	Please register in StudIP for the module. Please note that the registration periods differ from those in the faculty 09. You may also contact the lecturer directly.
Exam Registration	Module is not available in FlexNow for students of Transition Management. Please register for the examination directly with the lecturer. Afterwards the certificate has to be submitted to the examination office of faculty 09 for recognition.
Components of final grade	Written report (65%), oral presentation (35%)
Language	English
Additional Information	Please note that the examination periods as well as the registration time can differ in Faculty 08! Please check the Faculty website or ask the Module coordinator.
Time and Place	Please check StudIP or contact the lecturer