universitätbonn land- wirtschaftliche fakultät

Modulhandbuch

M.Sc. Agricultural and Food Economics (AFECO)

Prüfungsordnungsversion

2012

universitätbonn land- wirtschaftliche fakultät

Modul-Übersicht/directory of modules

Abkürzungen/Abbreviation:

V=Vorlesung/lecture; Ü=Übung/assignment; S=Seminar/seminar; P=Praktikum/pracical course; E=Exkursion/excursion; PS=Projektseminar/project seminar; K=Kolloquium

SS=Sommersemester/summer term; WS=Wintersemester/winter term

P=Pflicht/compulsory; WPF=Wahlpflicht/elective; fWPF=freies Wahlpflichtmodul/optional; PM=Projektmodul/project module

Compulsory modules 1. semester

Methods of Empirical Research					
Code: BAS-110 POS: 749101010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS
Coordinator	Dr. Ralf Nolten				
Lecturers	Dr. Ralf Nolten; Dr. Stefan Hirsch				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			P	1.
Learning objectives	Introduction to the epistemological background andbasic understanding of the theoretical approaches; Introducction into the use of methods of qualitative empirical social research. Introduction to and overview on econometric methods of quantitative market(ing) research; Earn a broad understanding of the involved methodology, in order to a) use quantitative studies for one's own decision making; b) be able to conduct independently (basic) quantitative analyses				
Key competences	Ability to develop a research design; Interpretation of scientific text material; Ability to discuss and to present own ideas				
Learning content	Historical overview, theoretical basics (Grounded theory, Phenomenological approach, Theory of Action, Critical Discourse Analysis), Methods of qualitative research and their characteristics; Neutral Hermeneutic, Qualitative Textual Analysis, Structural Reconstruction, Comparative Casuistic) Introduction regression analysis, OLS and R2, Steps in applied regression analysis, Presenting results, Assumptions / Gauss Markov-Theorem [BLUE], Including non-metric (dummy) variables as independent variables, Applying logs, Special effects, Assignment				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V	Qualitative Methods of Social Research	50	2	90
		Quantitative Research Methods	50	2	90
Examination(s)	Code	Type of examination	Duration of examination		
	749101019	written examination	100 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Microeconomics

Code: BAS-130 | ARTS-AE6 POS: 749101020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS

Coordinator	Prof. Dr. Thomas Heckelei
Lecturers	Prof. Dr. Thomas Heckelei
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften

Usability

Course program	Mode	Study semester
M.Sc. Agricultural and Food Economics	P	1.
M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	Zusatz	1.

Learning objectives	At the end of the course students will have acquired theoretical and applied competence in the neoclassical theory of supply, demand and markets at a formal mathematical level. Specifically, the students are able to formulate and solve unconstrained and constrained optimization problems and made first steps towards quantitative economic analysis.
Key competences	Analytical thinking, use of spreadsheet tools for modeling
Learning content	Choice and demand: utility maximization, expenditure minimization, Slutsky equation, market demand Supply and factor demand: Production functions, cost minimization, profit maximization Coordination of supply and demand through competitive markets Strategic behavior (game theory), monopoly, imperfect competition Labour markets, enterprise-hoursehold models Capital investment Land market, land heterogeneity
Language	Englisch
Prerequisites	none

Courses

Teaching method	Topic	Class size	Contact time per week	Workload [h]
V Ü	Microeconomics (ratio V:Ü 3:1)	50	4	180

Examination(s)

Code	Type of examination	Duration of examination	
749101029 749101028	written exam (50%) Assignments (50%)	120 min semesterbegleitend	graded

Prerequisites for admission to the exam	none	not graded
Other		

Global Food Markets and Systems					
Code: BAS-140 POS: 749101030		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS

Coordinator	Dr. Johannes Simons		
Lecturers	Dr. Johannes Simons; Prof. Dr. Monika Hartmann		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	P	1.
Learning objectives	Students obtain a deeper insight into the agricultural and food markets and international marketing. They learn to apply theoretical knowledge to the respective markets.		
Key competences	Understanding of the functioning of agricultural and food markets, ability to explain and evaluate developments on the markets, presentation skills		
Learning content	Price development and price context on food markets, international food marketing, grain markets, meat markets, markets for renewable resources, preparing and presenting results of research on current issues of international markets.		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Global Food Markets and Systems (ratio V:Ü 1:1)	50 50	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749101037	written exam	60 min	graded
Prerequisites for admission to the exam	none			not graded
Other				

Compulsory modules 2. Semester

Excursion in Agricultural and Food Economics					
Code: BAS-120 POS: 749201010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Dr. Ralf Nolten				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			P	2.
Learning objectives	Transfer from theoretical knowledge into practice; linking information of different perspectives and teaching modules to explain real situations in agriculture, in the food chain and in rural areas.				
Key competences	Ability to structure resp. to chair a discussion and to prepare minutes about it; Preparation and presentations; Ability to learn to work in a team and capacity for team activities and arrangements				
Learning content	Visits to farms, to enterprises along the food chain, to institutions in the rural areas; Preparation of presentations about and background information to contemporary problems and settings. Discussion of topics related to the research programs of the various departments of the ILR. Structuring and hosting discussions. Preparation of minutes and reports about the single items on the program.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	E	Excursions, lasting 1 to 5 days to domestic and international destinations	30	1,5	180
Examination(s)	Code	Type of examination	Duration of examination		
	749201016	none			
Prerequisites for admission to the exam	In toto participation in and proof of 5 days of excursion				not graded
Other					

Decision Theory and Risk Management					
Code: BAS-150 POS: 749201020		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			P	2.
Learning objectives	Students are able to analyse decisions under uncertainty and have developed a profound understanding of the most important risk management instruments. They are able to apply this knowledge using mathematical models to address firm level risk management problems.				
Key competences	Analytical thinking in the context of decision analysis and rational choice under uncertainty; knowledge of quantitative techniques and their application to address risk management problems.				
Learning content	Scope and concepts of decision theory; probabilities; utility concepts; stochastic dominance; decision models; concepts of risk management; risk management instruments; risk modeling tools; modelling exercises and case studies.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Decision Theory and Risk Management (ratio V:Ü 1:1)	60	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749201028 749201027	Written exam (75%) Assignment (25%)	120 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

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Electives "Agribusiness (ABS)"

Financial Accounting					
Code: ABS-100 POS: 749112030		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS
Coordinator	Dr. Herrmann Trenkel				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	1.
Learning objectives	Students learn about the annual financial statements as required by German commercial law (HGB) and as proposed by the Agricultural Ministry for farms. They will understand the balance sheet and the financial statement of a firm, as well as financial ratios.				
Key competences	Financial Statement Analysis, Financial Ratios				
Learning content	Completing the accounting cycle, annual statement, the balance sheet (HGB), the balance sheet (BMELV), sources of information about companies, objectives of financial account analysis, financial ratios				
Language	Deutsch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Buchführung und Bilanzanalyse Assignements, own studies, discussion in class (ratio V:Ü 1:1)	15 15	2 2	90 90
Examination(s)	Code	Type of examination	Duration of examination		
	749112039	Written exam	60 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Business Planning and Planning Methods					
Code: ABS-120 POS: 749112010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Stefanie Bröring				
Lecturers	Prof. Dr. Stefanie Bröring				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	1.
Learning objectives	Students are able to identify and typify business planning related problems and link them to suitable qualitative and quantitative techniques. They are able to apply relevant techniques to selected business problems and to identify problem solutions through these approaches.				
Key competences	Knowledge of advanced qualitative and quantitative techniques, related software programmes, data sources and their application for problem solving in the agri-food sector				
Learning content	Planning process and planning problems; meta-analysis and synthesis; understanding future scenarios (strategic foresight); operative planning methods; value chain analyses; social network analyses applied to different units of analysis: product, process, company-level or entire supply chain level in the larger setting of the agribusiness. Students get acquainted with the relevant software programmes and data bases in order to conduct their own study and present it to a group of students.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Business Planning and Planning Methods (ratio V:Ü 1:1)	25	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749112018 749112017	written exam (50%) Assignments (50%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Organizational Management					
Code: ABS-140 POS: 749112040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Prof. Dr. Stefanie Bröring		
Lecturers	Prof. Dr. Stefanie Bröring		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	1.
Learning objectives	Participants are able to apply theory concepts of management and organization to the particularities of the agribusiness-related enterprises and chains. Moreover, participants will have to compare, present and discuss different articles stemming from the domains of e.g. Strategic Management (Resource-based view), Organisational Management (e.g. Value Chain analyses) and related areas. These theory concepts will also be applied to case studies drawn from leading international business schools.		
Key competences	Working with original management literature drawn from top level ISI-Journals. Understand theoretical frames of management research and use them to explain challenges in modern agribusiness. Applying theoretical frames to real life business problems and discuss their suitability to explain empirical phenomena.		
Learning content	Broad overview on management and organization of enterprises, value chains and food networks. Academic cases studies for teaching purposes.		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V	Organizational Management	25	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749112048 749112047	written exam (50%) presentation (50%)	120 min semesterbegleitend	graded
Prerequisites for admission to the exam	none			not graded
Other				

Process Based Management					
Code: ABS-150 POS: 749112050	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	PD Dr. Ralf Helbig		
Lecturers			
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	1.
Learning objectives	Participants learn main principles of business architectures reflecting main business models in the food & agricultural sector with main process and data models.		
Key competences	Students are enabled to build process oriented architectures including the design, optimization, evaluation and implementation of process models and the management of their performance.		
Learning content	Overview on enterprise architecture management, process management concepts, process modeling techniques, process performance indicators, process simulation and optimization, main phases of continuous and disruptive process management.		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V	Process Based Management	25	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749112059	written exam	90 min	graded
Prerequisites for admission to the exam	none			not graded
Other				

Agricultural Production Economics					
Code: ABS-210 POS: 749112060	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	1.
Learning objectives	Students will be able to analyse management tasks of farms and to develop solutions based on the application of various theories and methods				
Key competences	Analytical thinking in the context of enterprise analysis, identification of management problems and finding solutions for them				
Learning content	Fundamentals of production economics and management; factors influencing the appearance of farms; development of partial and enterprise budgets; efficiency analysis; management problems related to crop and livestock production; farm growth and development				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Betriebsführung (ratio V:Ü 1:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749112069	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Cost Accounting					
Code: ABS-110 POS: 749212010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Dr. Herrmann Trenkel				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Ability to calculate unit costs for agricultural products, analyse the cost structure in production and to identify relevant costs				
Key competences	Cost calculation, cost analysis				
Learning content	Distinction between financial and cost accounting, cost behavior analysis, variable costs and fixed costs, marginal costs and total costs, cost-type accounting, cost-center accounting, cost-unit accounting, comparing actual costs and standard costs, planning and control of costs				
Language	Deutsch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Kostenrechnung Assignements, own studies (ratio V:Ü 1:1)	15 15	2 2	90 90
Examination(s)	Code	Type of examination	Duration of examination		
	749212019	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Investment and Financing					
Code: ABS-130 POS: 749212020		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger; Dr. Gerd Wesselmann				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	3.
Learning objectives	Students will acquire the knowledge and skills necessary for investment planning and investment appraisal				
Key competences	Analytical thinking in the context of economics and medium to long term management				
Learning content	Planning of single investments; simultaneous planning of investment and finance programs; financial management of the firm; investment and financing decisions under uncertainty				
Language	Deutsch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Investition und Finanzierung (ratio V:Ü 1:1)	30	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749212029	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Strategy and Innovation Management in Agribusiness					
Code: ABS-230 POS: 749212100	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Prof. Dr. Stefanie Bröring				
Lecturers	Prof. Dr. Stefanie Bröring				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Participants are able to utilize strategy as well as innovation management tools for the systematic design of competitive strategies as well as innovation concepts for enterprises and institutions in Agribusiness. Moreover, the participants are able to prepare the basis for a successful implementation of an innovation-oriented management system.				
Key competences	Understanding and applying theories; using analytical skills to solve problems				
Learning content	Overview on strategic and innovation management tools that could support management in creating an innovation-oriented and innovation-supporting organizational environment as well as developping innovation strategies and implementing new product development processes. Discussion of an appropriate utilization of the tools in the devlopment and implementation of strategic innovation concepts in particular business environments.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V	Strategic & Innovation Management in Agribusiness	25	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749212109	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Project Analysis					
Code: ABS-240 | ARTS-C3 POS: 749212040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Dr. Udo Bremer				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics			WPF P	2. 3.
Learning objectives	To become acquainted with and exercise various methods of project planning, to look on projects from an entity's and a society's viewpoint, to exercise the "soft skills" required for project management, to develop a project from its inception to the final report				
Key competences	Ability to plan and to manage projects				
Learning content	Project planning and implementation, SWOT and Log-frame approach; budget planning and management, Quantitative techniques for planning under consideration of with- and without-project situations Planning of projects with tangible products - with regard to an entity's standpoint (Financial analysis) - with regard to the society's standpoint (Economic analysis) Planning of a fictional project in the context of development co-operation (group work)				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Project Analysis Lectures with integrated exercises at a ratio of 2:1	20	4	150 30
Examination(s)	Code	Type of examination	Duration of examination		
	749212049	written exam	90 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

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Seminar Production Economics and Farm Management					
Code: ABS-300 POS: 749212080	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Students are able to apply the relevant theories and methods to problems of business analysis and planning. They acquire knowledge and practice research techniques such as structuring a planning problem, data acquisition and the application of quantitative methods. Furthermore, they will gain hands-on experience in presentation of scientific results and the moderation of a discussion				
Key competences	Presentation, communication and writing skills				
Learning content	Case studies related to business analysis and planning problems.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Business Studies	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749212089 749212088	Term paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	regular attendence				not graded
Other					

Seminar Quality and Innovation Management in Agribusiness					
Code: ABS-310 POS: 749212090	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Prof. Dr. Stefanie Bröring				
Lecturers	Prof. Dr. Stefanie Bröring				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Participants learn how to lead and moderate discussions and prepare presentations related to the specific topics of the research to be able to conceptualize a management system for problem support in enterprises, institutions and other organizations in the future. They learn how to select an appropriate theoretical framework on the specific research topic and how to deliver a consistent report on it				
Key competences	Presentation, communication, analytical and writing skills				
Learning content	The seminar strives to analyze different food chains from different perspectives like e.g.,: Innovation and quality management in agribusiness sector, convergence of value chains and networks or acceptance of technology-induced innovations across the food chain. According to that, the seminar is divided into three mini-symposium sessions where students present their individual findings with respect to the selected area of research.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Seminar Quality and Innovation Management in Agribusiness	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749212099 749212098	Term paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Marketing in Theory and Praxis					
Code: MAC-100 POS: 749132040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Dr. Johannes Simons		
Lecturers	Dr. Johannes Simons; Dr. Stefan Hirsch		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	1.o.3.
Learning objectives	Students obtain deeper insights into marketing with a special focus on the framework of food markets. They learn to apply theoretical knowledge to an oligopolistic market using a computer assisted simulation game.		
Key competences	Ability to apply different theoretical approaches to analyse and evaluate marketing on food markets appropriately,		
Learning content	Framework for marketing on food markets, perception of products, processing of information, risk perception, purchase decisions, opportunities and limits to shape the market, taking part in a computer assisted marketing game that simulates the outcome of decisions on an oligopolistic market		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Marketing in Theory and Praxis Computer assisted simulation game		2 2	90 90

Examination(s)	Code	Type of examination	Duration of examination	
	749132049 749132048	written exam (60%) presentation (40%)	60 min semesterbegleitend	graded
Prerequisites for admission to the exam	none			not graded
Other				

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Electives "Resource and Environmental Economics (ENV)"

Economics on Sustainability					
Code: ENV-100 | ARTS-AE5 POS: 749122030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Prof. Dr. Karin Holm-Müller		
Lecturers			
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	WPF WPF	1. 1.
Learning objectives	Students will obtain a good knowledge about the theoretical approaches of environmental and ecological economics and can apply them to problems related to sustainability.		
Key competences	Enhance capability to reflect and discuss complex problems from different perspectives		
Learning content	Basic approaches of ecological and environmental economics;, The environmental Kuznets curve and the Pollution haven hypothesis; intertemporal allocation of renewable and non-renewable approaches Definition and Indicators for sustainability (Genuine savings);monetary valuation of environmental impacts; Life-cycle-analysis and communication of environmental achievements; food consumption and sustainability		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Economics on Sustainability (ratio V:Ü 1:1) MA-WP-07L	40	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749122039	written exam	120 min	graded
Prerequisites for admission to the exam	none			not graded
Other	Solid knowledge at bachelor level of microeconomics and welfare theory are recommended for this module.			

Advanced Environmental Economics					
Code: ENV-210 POS: 749122010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Jun. Prof. Dr. Jan Börner				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Centered around the problem of biodiversity protection students will achieve good knowledge on institutions, optimal control theory and international environmental agreements that can be used to develop exemplary research approaches for own research in environmental economics.				
Key competences	Students' own creativity in research will be developed; they will furthermore be able to address real world problems either in models that can be solved mathematically or to derive testable hypotheses on questions of interest				
Learning content	Priorities in Biodiversity protection, redundancy and the pharmaceutical value of biodiversity, institutional analysis in biodiversity protection: impact regulation in Germany and the US; critical factors in ABS-implementation; Optimal control theory in models on biodiversity protection; the theory of international environmental agreements and biodiversity protection.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Economics of biodiversity protection (ratio V:Ü 1:1)	15	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749122019	oral exam	45 min		graded
Prerequisites for admission to the exam	none				not graded
Other	This course builds on knowledge of Environmental Economics and intertemporal allocation of renewable and non-renewable resources.				

Agricultural and Agri-Environmental Law					
Code: ENV-220 POS: 749122020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Karin Holm-Müller				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	The students should receive an overview on the legal base of the agricultural and agri-environmental legislation of the EU and Germany including the application and implementation in the German Länder, Germany as a whole and the EU. The curriculum also includes practical examples of enforcing the agricultural and agri-environmental legislation. The students should be in the position of getting an idea of and assessing the legal basics of the primary production of food.				
Key competences	The students should be able to draft and develop solutions concerning problems of the sector described above.				
Learning content	The legal systematic of agricultural and agri- environmental legislation in Germany and its position in the EU; the implication of the Civil Code of Germany as regards agricultural farms; legislation as regards improvement of the structure of agriculture; legal aspects of renewable energies, patent law and agriculture; legal aspects of subsidies and agriculture; agri- environmental law and international relations with third parties, European and German environmental and agri- environmental legislation; enforcing environmental law in Germany, legal aspects of emissions, water and soil protection.				
Language	Deutsch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V	Agrar- und Agrarumweltrecht ENV-220	30	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749122029	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Seminar on Environmental Economics and Policy					
Code: ENV-300 POS: 749122040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Jun. Prof. Dr. Jan Börner		
Lecturers	Jun. Prof. Dr. Jan Börner; Dr. Tobias Wünscher		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	3.
Learning objectives	Students will achieve a solid understanding of problems in Environmental Economics and Policy		
Key competences	· Develop creative research questions and hypotheses based on environmental and ecological economic concepts and theory · Address real world problems using economic models · Participate in academic debates on environmental policy design · Improve writing and presentation skills		
Learning content	Current topics in environmental economic research		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Environmental Economics and Policy	15	2	180

Examination(s)	Code	Type of examination	Duration of examination	
	749122049 749122048 749122047	Term paper (50%) presentation (30%) contributions to discussions (20%)	semesterbegleitend semesterbegleitend Teilnahme an Diskussion	graded
Prerequisites for admission to the exam	regular participation			not graded
Other				

Sociology of Rural Areas

Code: ENV-120 | ARTS-BE1 POS: 749222030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS

Coordinator	Dr. Ralf Nolten		
Lecturers			
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	WPF WPF	2. 2.
Learning objectives	Introduction into the theoretical and methodological basics of the Environmental resp. the Rural and Agricultural Sociology of Development. To learn about social phenomenon and strategies at the micro and the macro level; Understanding of the process of social change in rural areas and of the environmental discourse		
Key competences	Interpretation and Evaluation of English text material; Visualization in brainstorming and mind mapping-procedures		
Learning content	The rural space as a sociological issue, theories of social space; Rural Sociology: history and contemporary issues, the paradigm of the spatial turn; Agriculture and Rural Life – norms, roles, life styles; the images of agriculture, farmers and farming, value pattern and action systems of farmers Environmental Sociology as a field of research; theoretical approaches, environmental discourses; social constitution of environmental issues: climate change, environmental consciousness, biodiversity loss, environment and social inclusion.		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V V	Rural and Agricultural Sociology Environmental Sociology	15 15	2 2	90 90

Examination(s)	Code	Type of examination	Duration of examination	
	749222039	written exam	100 min	graded
Prerequisites for admission to the exam	none			not graded
Other				

Impact evaluation of conservation & development projects and environmental policies					
Code: ENV-130 POS: 749222040		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Jun. Prof. Dr. Jan Börner				
Lecturers	Jun. Prof. Dr. Jan Börner				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	The course will introduce concepts and quantitative techniques to evaluate impacts of conservation measures, such as payments for environmental services, integrated conservation and development projects, and the enforcement of regulatory policies.				
Key competences	· Understanding the differences between state-of-the-art evaluation methods · Ability to interpret results in diverse intervention contexts with a focus on tropical country environments.				
Learning content	Role of impact evaluation in guiding the design of conservation measures, i.e., in the context of international mechanisms for climate change mitigation (REDD+); Overview of methods and related debates: black-box versus theory-based impact evaluation; Counterfactual analysis, experimental versus non-experimental design, selection bias, impact heterogeneity, and estimation methods; Case studies of conservation initiatives; Application of key methods to selected cases.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Resource and Environmental Economics (ratio V:Ü 1:1)	15	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749222049 749222048	written exam (50%) take home assignment (50%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other	Basic knowledge of microeconomics and statistics				

Modelling of Dynamic Agri-ecological Systems					
Code: ENV-230 POS: 749222020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	2.	
Learning objectives	Students understand the systemic nature of problems within complex systems and are able to apply this knowledge in the context of dynamic models to analyse the properties and the behaviour of such systems.				
Key competences	Knowledge of the basic structures of dynamic systems models and the ability to develop such models and to apply them for system analysis using the "System Dynamics" modelling concept and respective tools.				
Learning content	Systems thinking; modeling concepts and types of models; the "System Dynamics" concept; modeling tools; simple models of growth processes and population dynamics; importance and modelling of time-lags; models of interacting systems; the management of dynamic systems; capabilities and limitations of complex models.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Modelling of Dynamic Agri-ecological systems (ratio V:Ü 1:1)	15	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749222029	Assignment	semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Environmental Economics and Policies					
Code: ENV-110 | ARTS-BE3 POS: 749222010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Prof. Dr. Karin Holm-Müller				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics			WPF WPF	2. 2.
Learning objectives	Students will be able to use neoclassical and institutional economics to analyze the impacts of environmental policy design				
Key competences	Rigorous theoretical analysis of policy measures; Enhanced capability of discussing complex matters grounded in economic theory;				
Learning content	General environmental policy: Public goods, Common pool resources and institutions, Theoretically optimal policy instruments (Coase, Pigou); pragmatic policy instruments (with real world examples): environmental liability, command and control approaches, taxes, subsidies, emission trading; Asymetric information and incentive compatible instruments; eco-tax and double dividend; Agricultural environmental policy: Property rights, taxes and agri-environmental measures (AEM), performance based AEM, auctions in AEM; influences from other sectors on agri-environmental policy implications.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Environmental policy (ratio V:Ü 1:1)	40	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749222019	written exam	120 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Ethics in Food Consumption and Production					
Code: MAC-230 POS: 749232030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Monika Hartmann				
Lecturers	Dr. Nina Langen				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	1.o.3.
Learning objectives	The course aims to introduce students to the growing sense of responsibility in the areas of food consumption and production. Students acquire in-depth knowledge in the field of ethical consumerism and Corporate Social Responsibility with respect to theoretical concepts and empirical case studies.				
Key competences	Understanding developments, drivers and determinants of ethical consumption and production in the food sector.				
Learning content	Determinants of ethical consumption; Consumer boycotts versus buycotts (e.g. Carrotmob); The role of NGOs, new and social media for consumer power; Labeling and ethical consumption; Case studies regarding ethical consumerism in the food sector; Implications for developing countries (e.g. the impact of social labeling on child labor). The concept of CSR; economic theories and CSR; forms of responsible conduct; impact of CSR; case studies regarding CSR in the food sector.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Ethics in food consumption and production (ratio V:Ü 1:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749232039 749232038	Written exam (70%) Presentation (30%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

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Electives "Market and Consumer Research (MAC)"

Food Industrial Economics					
Code: MAC-110 POS: 749232020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	

Coordinator	Prof. Dr. Monika Hartmann		
Lecturers			
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	2.
Learning objectives	Students will understand competitive processes. They know interdependencies between market structure, conduct and and performance. They are able to apply theoretical approaches to understand and evaluate the functioning of specific markets.		
Key competences	Apply the theory of industrial economics to understand the impact of market structure and market conduct on market performance in the food sector.		
Learning content	The role of competition, theory of the firm, the SCP framework, analysing the effects of market structure (e.g. monopolistic competition, oligopoly), impact of market conduct (price discrimination, product differentiation, advertisement, information policy, cartels), measuring market performance, empirical studies analysing determinants of the level and persistence of market performance.		
Language	Englisch		
Prerequisites	Modul BAS-130 or equivalent knowledge		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Food Industrial Economics (ratio V:Ü 1:1)	20	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749232029 749232028	Written exam (75%) Assignment (25%)	60 min semesterbegleitend	graded
Prerequisites for admission to the exam	keine			not graded
Other				

Behavioral Economics					
Code: MAC-120 POS: 749232010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	

Coordinator	Prof. Dr. Monika Hartmann		
Lecturers	Dr. Nina Langen; Dr. Nikolai Reynolds		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	2.
Learning objectives	Students will understand key concepts of behavioral economics. They will be familiar with the implications regarding theories of human (economic) decision making and (strategic) social interaction. They will learn how experiments are conducted in behavioral economics and analyze and discuss experimental work.		
Key competences	Apply the theoretical concepts of behavioural economics to explain market performance and behaviour of actors on the markets, understand implications for microeconomics, industrial economics and public economics. Presentation skills.		
Learning content	Rational choice in neoclassical economics, bounded rationality, the cost of information, framing, anchoring and endowment effects, status quo bias, heuristics and cognitive errors, altruism, fairness and reciprocity, libertarian paternalism, experimental economics		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Behavioral Economics (ratio V:Ü 1:1)	20	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749232019 749232018	Written exam (70%) Presentation (30%)	60 min semesterbegleitend	graded
Prerequisites for admission to the exam	none			not graded
Other				

Advanced Methods of Market Research					
Code: MAC-210 POS: 749132010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Prof. Dr. Monika Hartmann				
Lecturers	Dr. Stefan Hirsch				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Deeper insight into methods of quantitative and qualitative market and marketing research.				
Key competences	Earn a broad understanding of the involved methodology, in order a) to use research studies for own decision making; b) to be able to conduct research.				
Learning content	Theoretical and methodological background on measurement and analysis of attitudes, perception, evaluation, preferences, willingness to pay and social networks, applying among others auctions, choice experiments, concept mapping, network analysis, factor analysis and cluster analysis.				
Language	Englisch				
Prerequisites	Modul BAS-110 or equivalent knowledge				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Advanced Methods of Market Research	25 25	2 2	90 90
Examination(s)	Code	Type of examination	Duration of examination		
	749132019 749132018	Written Exam (75%) Assignments (25%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Consumer oriented Communication in the Food Sector					
Code: MAC-220 POS: 749132020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	
Coordinator	Dr. Johannes Simons				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	2.	
Learning objectives	Students achieve a deeper insight into the communication policy in agricultural and food markets. They learn to apply conceptual knowledge on communication policy to marketing issues in the agri-food sector and to nutrition education policies.				
Key competences	Understanding and critical evaluation of commercial and public communication policy in the agri-food sector				
Learning content	Basics of communication policy; consumer behaviour and information; media research e.g. hostile media phenomenon, agenda-setting, knowledge gap; media and commercials; public relations; information campaigns as strategy in consumer affairs; risk perception and communication				
Language	Englisch				
Prerequisites	keine				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Consumer oriented Communication in the food sector (ratio V:Ü 3:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749132029 749132028	Written exam (70%) Presentation (30%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Ethics in Food Consumption and Production					
Code: MAC-230 POS: 749232030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Monika Hartmann				
Lecturers	Dr. Nina Langen				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	1.o.3.
Learning objectives	The course aims to introduce students to the growing sense of responsibility in the areas of food consumption and production. Students acquire in-depth knowledge in the field of ethical consumerism and Corporate Social Responsibility with respect to theoretical concepts and empirical case studies.				
Key competences	Understanding developments, drivers and determinants of ethical consumption and production in the food sector.				
Learning content	Determinants of ethical consumption; Consumer boycotts versus buycotts (e.g. Carrotmob); The role of NGOs, new and social media for consumer power; Labeling and ethical consumption; Case studies regarding ethical consumerism in the food sector; Implications for developing countries (e.g. the impact of social labeling on child labor). The concept of CSR; economic theories and CSR; forms of responsible conduct; impact of CSR; case studies regarding CSR in the food sector.				
Language	Englisch				
Prerequisites	none				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Ethics in food consumption and production (ratio V:Ü 1:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749232039 749232038	Written exam (70%) Presentation (30%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Marketing in Theory and Praxis					
Code: MAC-100 POS: 749132040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Dr. Johannes Simons		
Lecturers	Dr. Johannes Simons; Dr. Stefan Hirsch		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	1.o.3.
Learning objectives	Students obtain deeper insights into marketing with a special focus on the framework of food markets. They learn to apply theoretical knowledge to an oligopolistic market using a computer assisted simulation game.		
Key competences	Ability to apply different theoretical approaches to analyse and evaluate marketing on food markets appropriately,		
Learning content	Framework for marketing on food markets, perception of products, processing of information, risk perception, purchase decisions, opportunities and limits to shape the market, taking part in a computer assisted marketing game that simulates the outcome of decisions on an oligopolistic market		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Marketing in Theory and Praxis Computer assisted simulation game		2 2	90 90

Examination(s)	Code	Type of examination	Duration of examination	
	749132049 749132048	written exam (60%) presentation (40%)	60 min semesterbegleitend	graded
Prerequisites for admission to the exam	none			not graded
Other				

Seminar Marketing and Market Analysis					
Code: MAC-300 POS: 749132030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Prof. Dr. Monika Hartmann				
Lecturers	Prof. Dr. Monika Hartmann; Dr. Nicolai Reynolds				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	Students learn to apply the relevant theories to topical issues. They acquire knowledge and practice research techniques such as structuring research papers, literature search and referencing, and technical writing. Furthermore, they will gain hands-on experience in carrying out own surveys (construction of questionnaire, carrying out survey, evaluation) and in the presentation of scientific results as well as the moderation of a discussion				
Key competences	Experience in developing, carrying out and evaluating surveys, presentation, communication and writing skills				
Learning content	Topical issues on agricultural and food markets and food marketing at a national and international level				
Language	Englisch				
Prerequisites	Module BAS-110, BAS-130 und BAS-140 or equivalent knowledge				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Market Analysis and Marketing	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749132039 749132038	Term paper (75%) Presentation (25%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

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Electives "Agricultural and Development Policy (APO)"

European and International Agricultural Policy					
Code: APO-110 POS: 749142020		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS
Coordinator	Prof. Dr. Thomas Heckelei				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	3.
Learning objectives	At the end of the course, students will be able to apply economic theory in analysing existing agricultural policies. Students will learn the selection and application of relevant economic theories. They will also acquire a thorough understanding of the assumptions and limitations of theories by critically discussing the outcomes of different existing studies.				
Key competences	Capacity for theory-based argumentation				
Learning content	1) Theoretical Background for evaluating Agricultural Policies, Reference to Welfare Economics and Cost-Benefit Analysis, Institutional Economics, Public Choice, New Political Economics (2) Economic Analysis of the multinational framework for existing agricultural policies: The WTO, Core Principles and different agreements, Dispute Settlement (3) Existing Agricultural Policies: Design and Analysis, Measuring Agricultural; Protection, Policies of selected Key Players: EU, USA, developing countries, Other (4) Perspectives and Future Challenges, EU Integration, Ongoing WTO Negotiations				
Language	Englisch				
Prerequisites	Module BAS-130 or similar knowledge in microeconomic theory at master level				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	European and International Agricultural Policy (ratio V:Ü 3:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749142029	Written exam	90 min		graded
Prerequisites for admission to the exam	none				not graded
Other					

Development Sociology

Code: APO-130 | ARTS-A4 POS: 749142010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS

Coordinator	Dr. Ralf Nolten
Lecturers	
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften

Usability

Course program	Mode	Study semester
M.Sc. Agricultural and Food Economics	WPF	1.
M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	P	1.

Learning objectives	Introduction into the theoretical and methodological basics of the Sociology of Development. To learn about social phenomenon and strategies at the micro and the macro level, the structure, function and change of agri-social systems; Understanding of the process of social change in the agricultural sector and in rural areas of developing countries; Ability to define agri-social needs of development and related strategies
Key competences	Interpretation and Evaluation of English text material; Visualization in brainstorming and mind mapping-procedures
Learning content	Fields of research, concepts and indicators of development processes, sociological theories of social change, actors analysis and participation, phenomenon of development (networks, globalization, migration, poverty, urbanization) Theory of Social Systems, Analysis of Social Systems, Social structures of farming systems, Social Security Systems, Cooperatives, Farmers Associations and MFIs in Developing Countries, Agricultural reforms in selected countries
Language	Englisch
Prerequisites	none

Courses

Teaching method	Topic	Class size	Contact time per week	Workload [h]
V	Development Sociology	30	2	90
V	Agricultural Institutions and Social Systems	30	2	90

Examination(s)

Code	Type of examination	Duration of examination	
749142019	written exam	100 min	graded
Prerequisites for admission to the exam	none		not graded
Other			

Applied Modelling of Agricultural Systems					
Code: APO-220 POS: 749242020	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	
Coordinator	Dr. Wolfgang Britz				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	With the completion of this course, students have acquired intensive experience with the coding of economic simulation models the General Algebraic Modelling System and practical understanding of scenario analysis with large scale economic modelling systems				
Key competences	Self organization of a complex IT and modeling project in group work; documentation of project and code; data management (download from portals, format changes, appropriate aggregation); presentation of quantiative results				
Learning content	In the first part of the course, the students jointly develop - in modular design - an agricultural sector model for a country chosen by them: Decision on country and product coverage Acquisition of the necessary data and parameters Development of a simple, PMP based supply model Development and calibration of a simple net trade multi-commodity model Performing and analysing some simple policy experiments Documentation of the model The second part of the course (3 day block course) consists of analyzing in small groups real-world scenarios with CAPRI (www.capri-model.org), a global partial equilibrium model of the agricultural sector: Introduction to CAPRI, small exercises in using the Graphical User Interface of CAPRI Introduction to the scenarios (e.g. multi-lateral trade liberalization, reforms of the Common Agricultural Policy, environmental standards) Supervised group work: Each group will analyze the scenario(s) with respect to certain outcomes and will prepare a set of slides where key findings are documented				
Language	Englisch				
Prerequisites	Module APO-210 or equivalent knowledge				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	Ü	Applied Modelling of Agricultural Systems	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749242029	Assignments (group work, check for working computer code, sufficient documentation, participation in simulation analysis)	semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Special Project in Agricultural and Development Policy					
Code: APO-310 POS: 749142050		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS+SS
Coordinator	Prof. Dr. Thomas Heckelei				
Lecturers	Prof. Dr. Thomas Heckelei				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	3.
Learning objectives	This module allows for special research projects mutually agreed upon between student and coordinator. A clearly defined project “deliverable” will be submitted.				
Key competences	Scientific research and writing				
Learning content	Topic from the field of Agricultural and Development Policy. Specific topic and form of deliverable (paper, report, poster, documentation....) to be agreed upon between student and coordinator				
Language	Englisch				
Prerequisites	Modules APO -110 and APO -120 have to be completed with simple average at or below 1.3 at the start of this module.				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	PS	Special project	5	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749142059	Term paper	semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Seminar Policy Analysis					
Code: APO-300 POS: 749142030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS	

Coordinator	Prof. Dr. Thomas Heckelei		
Lecturers	Prof. Dr. Thomas Heckelei		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics	WPF	3.
Learning objectives	Students learn to apply the relevant theories to topical issues. They acquire knowledge and practice research techniques such as structuring research papers, literature search and referencing, and technical writing. Furthermore, they will gain hands-on experience in presentation of scientific results and the moderation of a discussion		
Key competences	Presentation, communication and writing skills		
Learning content	Topical issues on agricultural policy at European and international level will be analysed in written term papers.		
Language	Englisch		
Prerequisites	none		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Policy Analysis	20	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749142039	Term paper	semesterbegleitend	graded
Prerequisites for admission to the exam	none			not graded
Other				

Simulation Models for Policy Analysis					
Code: APO-210 POS: 749142040		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Dr. Wolfgang Britz				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	With the completion of this course, the students have acquired advanced competence in the concepts, formulation and interpretation of theory-based economic supply models, partial and general equilibrium models for policy analysis. Furthermore, they have been introduced to the General Algebraic Modelling System (GAMS) and are capable of independently modifying economic simulation models in this modelling language.				
Key competences	Computer programming				
Learning content	1) Introduction to GAMS 2) Review of linear programming based on a simple farm LP, Kuhn-Tucker conditions, dual solution in GAMS 3) Critical assessment of using LPs in aggregate programming models 4) Positive Mathematical Programming (PMP) 5) Simulation exercises with the PMP model, sensitivity analysis 6) Multi-Commodity market model 7) Flexible functional forms and parameter calibration 8) The Armington approach, concept and calibration 9) Simulation exercises with a Spatial Multi-Commodity model and welfare analysis 10) The structure of a Social Accounting Matrix 11) A simple Computable General Equilibrium model (CGE) 12) Simulation exercises with the CGE				
Language	Englisch				
Prerequisites	Modul BAS -130 or equivalent				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Simulation Models for Policy Analysis (ratio V:Ü 3:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749142049 749142048	Written exam (50%) Assignments (to be solved in groups) (50%)	60 min semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Applied Trade Theory and Policy					
Code: APO-120 | ARTS-BE4 POS: 749242030	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	

Coordinator	Prof. Dr. Thomas Heckelei		
Lecturers			
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	WPF WPF	2. 2.
Learning objectives	Students will gain an overview on classical and new economic theories of international trade explaining trade patterns between countries. Exercises and discussion of applications with emphasis in agricultural and food products will allow students to apply the theories and understand their limitations. Students will learn to work with academic trade literature and to assess the trade and welfare impacts of trade policies independently in the context of exercises.		
Key competences	Use and assessment of academic literature. Use of spreadsheet tools for quantitative modeling.		
Learning content	1) Why do we observe trade? Technological differences (Ricardian model), differences in factor endowments (Heckscher-Ohlin Model), increasing returns to scale 2) Who gains and who loses from trade? Gains from trade: the country perspective, gains from trade: the "within country" or agent perspective, deviations from the perfect market assumption 3) What are the trade and welfare impacts of specific policies? Import tariffs, import quotas, export subsidies, non-tariff measures 4) What are the gains of trade agreements? Multilateral trade agreements (WTO), regional trade agreements, regional versus multilateral agreements 5) How do multinational firms affect trade?		
Language	Englisch		
Prerequisites	Module BAS-130 or similar knowledge in microeconomics at master level		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Applied Trade Theory and Policy (ratio V:Ü 3:1)	20	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749242039	written exam	90 min	graded
Prerequisites for admission to the exam	none			not graded
Other				

Advanced Applied Econometrics					
Code: APO-230 POS: 749242010		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS
Coordinator	Prof. Dr. Thomas Heckelei				
Lecturers	Prof. Dr. Thomas Heckelei				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	2.
Learning objectives	Students will acquire competence in selecting and applying econometric methods to estimate quantitative economic models derived from economic theory. In addition they will learn to use and interpret outputs from econometric software packages.				
Key competences	Quantitative analysis; Competence in software use for quantitative analysis;				
Learning content	1) Review General Linear Model and OLS 2) Model specification (functional form and variable choice) 3) Seemingly Unrelated Regression, system estimation 4) Endogenous regressors (instrumental variable estimation, Generalised Method of Moments) 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation)				
Language	Englisch				
Prerequisites	Module BAS-110 or similar knowledge				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Advanced Applied Econometrics (ratio V:Ü 3:1)	20	4	180
Examination(s)	Code	Type of examination	Duration of examination		
	749242019	Assignments	semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Development Economics					
Code: APO-240 | ARTS-BE5 POS: 749242040	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS	

Coordinator	Prof. Dr. Joachim von Braun		
Lecturers	Matthias Kalkuhl		
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften		
Usability	Course program	Mode	Study semester
	M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics	WPF WPF	2. 2.
Learning objectives	With the successful completion of the course, students will have an overview on essential theories of economic development and understand their practical relevance for developing countries. Moreover, students will become familiar with the complex and multidimensional concepts of underdevelopment and poverty. They will learn to understand different development policies and evaluate them using a variety of quantitative economic techniques.		
Key competences	Case study approach to analysis		
Learning content	1) Economic Development: Definitions and measurement concepts 2) Partial theories of economic development (Historical School, The Stages of Economic Growth (Rostow),Theory of structural change and Two sector models (Lewis) 3) Complex theories of economic development (Neoclassical growth theory, Endogeneous growth theory: the role of social capital and new knowledge for the growth process, New institutional economics: the value- and rules based system of a society as an explanatory factor for economic development, 4) Political-economic explanatory approaches: The role of the state and the role of interest groups in the development process 5) From theory to its practical use; case studies 6) Quantitative Analysis of Development Policy		
Language	Englisch		
Prerequisites	Module BAS-130 or similar knowledge		

Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	V Ü	Development Economics (ratio V:Ü 1:1)	20	4	180

Examination(s)	Code	Type of examination	Duration of examination	
	749242049	written exam	120 min	graded
Prerequisites for admission to the exam	none			not graded
Other				

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Research Seminars

Research Seminar in Agribusiness					
Code: ABS-330 POS: 749313010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS+WS	
Coordinator	Prof. Dr. Robert Finger				
Lecturers	Prof. Dr. Robert Finger; Prof. Dr. Stefanie Bröring				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	After a successful completion of the course, the students have conceptualized their Master thesis including the description of the problem background with a preliminary literature review, the identification of the research question, the intended methodology, work plan and expected results.				
Key competences	Scientific conceptualizing and writing; scientific verbal communication				
Learning content	Literature studies, preparation of a research concept and a proposal, presentations of the state of the art in a thematic field which is close to the research question; scientific discussion				
Language	Englisch				
Prerequisites	48LP				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	K	Agribusiness Assignements, own studies	15 15	2	60 120
Examination(s)	Code	Type of examination	Duration of examination		
	749313019 749313018	paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

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Research Seminar in Resource and Environmental Economics					
Code: ENV-330 POS: 749323010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS+WS	
Coordinator	Prof. Dr. Karin Holm-Müller				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	After a successful completion of the course, the students have conceptualized their Master thesis including the description of the problem background with a preliminary literature review, the identification of the research question, the intended methodology, work plan and expected results.				
Key competences	Scientific conceptualizing and writing; scientific verbal communication				
Learning content	Literature studies, preparation of a research concept and a proposal, presentations of the state of the art in a thematic field which is close to the research question; scientific discussion				
Language	Englisch				
Prerequisites	48LP				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	K	Resource and Environmental Economics	15	1	180
Examination(s)	Code	Type of examination	Duration of examination		
	749323019 749323018	paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

Research Seminar in Market and Consumer Research					
Code: MAC-330 POS: 749333010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS+WS	
Coordinator	Prof. Dr. Monika Hartmann				
Lecturers					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program		Mode	Study semester	
	M.Sc. Agricultural and Food Economics		WPF	3.	
Learning objectives	After a successful completion of the course, the students have conceptualized their Master thesis including the description of the problem background with a preliminary literature review, the identification of the research question, the intended methodology, work plan and expected results.				
Key competences	Scientific conceptualizing and writing; scientific verbal communication				
Learning content	Literature studies, preparation of a research concept and a proposal, presentations of the state of the art in a thematic field which is close to the research question; scientific discussion				
Language	Englisch				
Prerequisites	48LP				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	K	Market and Consumer Research	15	2	180
Examination(s)	Code	Type of examination	Duration of examination		
	749333019 749333018	paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	regular participation				not graded
Other					

Research Seminar in Agricultural and Development Policy					
Code: APO-330 POS: 749343010	Workload (h) 180	Credits (LP) 6	Duration 1	Turnus SS+WS	
Coordinator	Prof. Dr. Thomas Heckelei				
Lecturers	Prof. Dr. Thomas Heckelei				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	3.
Learning objectives	After a successful completion of the course, the students have conceptualized their Master thesis including the description of the problem background with a preliminary literature review, the identification of the research question, the intended methodology, work plan and expected results.				
Key competences	Scientific conceptualizing and writing; scientific verbal communication				
Learning content	Literature studies, preparation of a research concept and a proposal, presentations of the state of the art in a thematic field which is close to the research question; scientific discussion				
Language	Englisch				
Prerequisites	48LP				
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	S	Agricultural and Development Policy	15	1	60
Examination(s)	Code	Type of examination	Duration of examination		
	749343019 749343018	paper (66,6%) presentation (33,3%)	semesterbegleitend semesterbegleitend		graded
Prerequisites for admission to the exam	regular participation				not graded
Other					

Masterthesis

Masterarbeit						
Code: M-401 POS: 8900		Workload (h) 900	Credits (LP) 30	Duration 1		Turnus WS/SS
Coordinator						
Lecturers	Alle Lehrenden der Lehreinheit					
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften					
Usability	Course program			Mode	Study semester	
	M.Sc. Agricultural and Food Economics			P	4.	
Learning objectives	Selbständige Bearbeitung eines vorgegebenen Problems aus dem Gebiet des Studienganges innerhalb eines vorgegebenen Zeitraumes. Das Nähere regelt die Prüfungsorganisationsordnung und die Prüfungsordnung des Studienganges. Die Bearbeitungsdauer beträgt mindestens zwei und höchstens sechs Monate.					
Key competences	Projektarbeit, Präsentationskompetenz					
Learning content	Aufgabe der Masterarbeit					
Language	Deutsch/Englisch					
Prerequisites						
Courses	Teaching method	Topic		Class size	Contact time per week	Workload [h]
				1		900
Examination(s)	Code	Type of examination		Duration of examination		
						graded
Prerequisites for admission to the exam						not graded
Other						