Modulhandbuch Course Book

M.Sc. Agricultural and Food Economics (AFECO)

Studienbeginn vor WS 2020/2021

Beginning of studies before WS 2020/2021





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Abkürzungen/Abbreviations:

Häufigkeit/Course cycle

SS=Sommersemester/Summer semester

WS=Wintersemester/Winter semester

Verwendbarkeit des Moduls/Study program allocation

P/C=Pflichtmodul/Compulsory

WP/E=Wahlpflichtmodul/Elective

fWP/O=freies Wahlpflichtmodul/Optional

PM=Projektmodul/Project module

Lehr- und Lernformen/Teaching and learning methodes

V/L=Vorlesung/Lecture

Ü/T=Übung/Tutorial

S=Seminar

P=Praktikum/Practical training

E=Exkursion/Excursion

prÜ/pT=praktische Übung/ Practical course

PS=Projektseminar/Project seminar

T/sT=Tutorium/Student tutorial

K/C=Kolloquium/Colloquium

AG/SG=Arbeitsgemeinschaft/Study group

B-Arb/BT=Bachelorarbeit/Bachelorthesis

M-Arb/MT=Masterarbeit/Masterthesis

Mit Asterisk (*) gekennzeichnet: Lehrveranstaltungen, für die gemäß § 13 Abs. 6 der POO als Voraussetzung für die Teilnahme an Modulprüfungen die verpflichtende Teilnahme festgelegt ist. Die Pflicht zur Teilnahme besteht dann zusätzlich zu etwaigen sonstigen aufgeführten Studienleistungen.

Marked with an asterisk (*): Courses for which, in accordance with § 13 Paragraph 6 of the POO, compulsory attendance is specified as a prerequisite for taking module examinations. The compulsory attendance then exists in addition to any other listed academic achievements.



Compulsory modules of the first semester

18 ECTS-CP must be completed.



Code: BAS-110			Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749101010			180	6,0	2		WS			
Coordinator	Prof. Dr. Moni	ka Hartn	nann							
Lecturers	Janine Macht;	Ursula P	loll; Prof. Dr. Mon	ika Hartmann; Milar	n Tatic					
Teaching unit(s)										
Usability	Course progra	m			Mod	de Stu	ıdy semester			
	M.Sc. Agricult	ural and	Food Economics		С	1.+	2.			
Learning objectives	the theoretica research. Intro research. Earn a broad u a) use quantita	Introduction to ontological and epistemological backgrounds of research and basic understanding of the theoretical approaches. Introduction to 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				ge of qualitative res		s: Data An	alvsis: Ability			
no, competences	discuss and to	-	_	80 01 quantative 100		,, = a ca	, 0.0, 7.00,			
Learning content	Grounded The and Presentation	eory; Met ion of Qu esearch:	hods of Qualitativialitative Data. Linear regression	: Assumptions of Quare Research (Observate Res	ation, Interviev	v, Focus G	iroups); Anal			
Language		English								
Recommended knowledge	none									
Prerequisites	none									
Maximum number of students										
Course(s)	Teaching method	Topic			Class size	Conta time p week	er [h]			
	L	Qualit	ative Methods of	Social Research	60	2,0	60			
	L	Quant	itative Research N	Methods	60	2,0	60			
	T*	Quant	itative Methods: I	Exercises with R	30	4,0	60			
Examination(s)	Code	Type o	of examination		Duration of					
					examinatio	1				
	749101014		en exam [67%]		60 min		graded			
	749101013	Prerec Contri submi interv preser comm	ntations. Will be v	and team ch question, cs or term papers, erified through a otocol., Regular and	during the semster gra					
			discussions.							



Microeconomics										
Code: BAS-130			Workload (h)	Credits (LP)	Duratio	n (Semes	ster)	Term		
POS: 749101020			180	6,0	1		,	WS		
Coordinator	Prof. Dr. Thom	nas Heck	elei							
Lecturers	An N.Q. Cao									
Teaching unit(s)	Agrar-, Forst-	und Ernä	ihrungswissensch	aften						
Usability	Course program Mode Study s									
	M.Sc. Agricult	ural and	Food Economics			С	1.			
	M.Sc. Agricult	ural Scie	nce and Resource	Management in t	he Tropics	E	1.			
	and Subtropics (ARTS)									
Learning objectives				ave acquired theor			-			
	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				cools for modelling						
Learning content	Choice and demand: utility maximization, expenditure minimization, Slutsky equation, market									
	demand Supply and factor demand: Production functions, cost minimization, profit maximization									
					-	rofit max	kimizatio	n		
	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	English									
Recommended	none									
knowledge	Horic									
Prerequisites	none									
Maximum number of	Horic									
students										
Course(s)	Teaching	Topic			Class	size	Contact	Workload		
()	method	'					time per			
							week			
	L	Micro	economics		50)	3,0	120		
	Т	Micro	economics		50)	1,0	60		
Examination(s)	Code	Type	of examination		Durati	on of				
					examir	nation				
	749101029	Writte	en exam [50%]		120 m	in		graded		
	749101028	Assign	nment [50%]		during	the sem	graded			
Academic		1			I			not graded		
Achievements										
Other										
- C C	1									



Code: BAS-140		Workload (h)	Credits (LP)	Duration (Semeste	er) Te	erm			
POS: 749101030		180	6,0	1		W	/S			
Coordinator	Dr. Johannes S	Simons								
Lecturers	Dr. Johannes S	Simons; Lena Große Strein	e; Janine Macht							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissenscha	aften							
Usability	Course progra	m		N	Лode	Study	semester			
	M.Sc. Agricult	ural and Food Economics		C		1.				
	M.Ed. Agricult	ural Science (Teacher's Tra	nining)	E	Focus	1.				
				E	cono					
				r	nics					
		n Science and Home Econ				1.				
Learning objectives		in a deeper insight into the	_		and inter	nationa	I marketing.			
		apply theoretical knowleds								
Key competences	_	g of the functioning of agri		narkets, abilit	y to exp	lain and	evaluate			
		on the markets, presenta								
Learning content	•	ment and price context on								
		, markets for renewable re	sources, preparing	and presenti	ing result	ts of res	earch on			
		current issues of international markets.								
Language	English	<u>-</u>								
Recommended	none									
knowledge	nono									
Prerequisites Maximum number of	none									
students										
Course(s)	Teaching	Topic		Class siz	ze Co	ontact	Workload			
	method				tin	ne per	[h]			
					١	veek				
	L	Global Food Markets ar	id Systems	25		2,0	75			
	Т	Global Food Markets ar	•	25		1,0	60			
	S	Combine insights gener	ated in class to a	25		1,0	45			
		specific case								
Examination(s)	Code	Type of examination		Duration						
Examination(s)		Type of examination		examina						
Examination(s)	749101036	Type of examination Written exam [60%]		examina 60 min	tion		graded			
Examination(s)		Type of examination		examina	tion	er	graded graded			
	749101036	Type of examination Written exam [60%]		examina 60 min	tion	er	_			
Examination(s) Academic Achievements	749101036	Type of examination Written exam [60%]		examina 60 min	tion	er	graded			
Academic	749101036	Type of examination Written exam [60%]		examina 60 min	tion	er	graded			



Compulsory modules of the second semester

12 ECTS-CP must be completed.



Code: BAS-120		Workload (h)	Credits (LP)	Duration (Ser	nester)	Term				
POS: 749201010		180	6,0	1	•	WS+SS				
Coordinator	Dr. Nicolas Ge	1	0,0							
Lecturers	Dr. Nicolas Ge	rber; Prof. Dr. Karin Holm-	·Müller: Prof. Dr. Tho	omas Heckelei:	Prof. Dr. M	onika				
		of. Dr. Jan Börner; Prof. Dr	·	,						
Teaching unit(s)		und Ernährungswissensch	•							
Usability	Course progra	m -		Mod	de Stud	y semester				
	M.Sc. Agriculti	M.Sc. Agricultural and Food Economics C 1.+2.								
Learning objectives		theoretical knowledge int ules to explain real situation	-		-	-				
Key competences	Ability to struc	cture resp. to chair a discu Ability to learn to work in	ssion and to prepare	minutes about	it; Prepara	ition and				
Learning content	Visits to farms presentations of topics relate	isits to farms, to enterprises along the food chain, to institutions in the rural areas; Preparation of resentations about and background information to contemporary problems and settings. Discussion f topics related to the research programs of the various departments of the ILR. Structuring and osting discussions. Preparation of minutes and reports about the single items on the program.								
Language	English									
Recommended knowledge	none									
Prerequisites	none									
Maximum number of students										
Course(s)	Teaching method	Topic		Class size	Contact time per week					
	E*	Excursions, lasting 1 to and international destir	•	40	3,0	110				
	S*	Excursion background b	olock seminar	60	1,0	70				
Examination(s)	Code	Type of examination		Duration of examination	1					
	749201016	none								
Academic Achievements	- In total participation in and proof of 5 days of excursion - 2 active pre-excursion presentations: one poster presentation and one presentation in free format									
, 10, 110, 110, 110		pation in discussions on th	ne excursion and pre	e-excursion pre	sentations					



Code: BAS-150 POS: 749201020 Coordinator Lecturers Teaching unit(s) Usability Learning objectives	Agrar-, Forst- u Course program M.Sc. Agricultu Students are al	Mirzabaev; Dr. Reinhard L Ind Ernährungswissenscha		Duration (Ser		Term SS						
Coordinator Lecturers Teaching unit(s) Usability	PD Dr. Alisher I Agrar-, Forst- u Course program M.Sc. Agricultu Students are al	Mirzabaev; Dr. Reinhard L Ind Ernährungswissenscha m	Jehleke		1							
Teaching unit(s) Usability	Agrar-, Forst- u Course program M.Sc. Agricultu Students are al	ınd Ernährungswissenscha m										
Usability	Agrar-, Forst- u Course program M.Sc. Agricultu Students are al	ınd Ernährungswissenscha m										
	M.Sc. Agricultu Students are a			grar-, Forst- und Ernährungswissenschaften								
Learning objectives	Students are al	ıral and Food Economics	Course program Mode Study s									
Learning objectives				С	2.							
		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 o	quantitative techniques ar	nd their application	n to address risk r	nanagemer	nt problems.						
Learning content	Scope and concepts of decision theory; probabilities; utility concepts; stochastic dominance; decision											
_	models; concepts of risk management; risk management instruments; risk modelling tools; modelling											
	exercises and o	case studies.										
Language	English											
Recommended	none											
knowledge												
Prerequisites	none											
Maximum number of												
students												
Course(s)	Teaching	Topic		Class size	Contact	Workload						
	method				time per	[h]						
					week							
	L	Decision Theory and Ris	sk Management	60	2,0	90						
	T	Decision Theory and Ris	sk Management	60	2,0	90						
Examination(s)	Code	Type of examination		Duration of								
				examination	1							
	749201028	Written exam [75%]		120 min		graded						
	749201027	Presentation [25%]		during the s	emster	graded						
Academic						not grade						
Achievements												
Other												



Elective modules "Agribusiness (ABS)"

Requirements for the Major Specification:

- Modules accounting for a minimum of 30 ECTS-CP in the Major Specification
 - The Research Seminar is in the Major Specification
 - The Master Thesis is in the Major Specification

Requirements for the Minor Specification:

- Modules accounting to a minimum of 18 ECTS-CP in the Minor Specification

Every module can only be accounted once i.e. either for the Major or Minor Specification.



Financial Accountin	ъ		Workload (h)	Credits (LP)	Duratio	n (Semes	tor)	Term	
POS: 749112030			180	6,0	1	ii (Seilles	,	WS	
Coordinator	Dr. Hermann	Trenkel	180	0,0	1			VVJ	
Lecturers	Dr. Hermann								
Teaching unit(s)			nrungswissensch	aften					
Usability	Course progra		ii uligawiaaciiacii	arten		Mode	Study	/ semester	
Osability			ood Economics			E	1.	Genrester	
	_		nce (Teacher's Tr	aining)		E Focus			
			(······6/		Econo			
						mics			
	M.Ed. Nutritio	on Science	and Home Econ	omics (Teacher's Ti	raining)	E	1.		
Learning objectives						ierman co	ommerci	ial law (HGB)	
	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 State	ement An	alysis, Financial F	Ratios					
Learning content	Completing the accounting cycle, annual statement, the balance sheet (HGB), the balance sheet								
		rces of inf	ormation about	companies, objectiv	ves of finan	cial acco	unt analy	ysis, financial	
	ratios								
Language	German								
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students	Topobino	Tausia			Class	-:	C	NA/a wki a a a	
Course(s)	Teaching method	Topic			Class		Contact ime per	Workload [h]	
	method					'	week	ניין	
	1	Buchfi	ihrung und Bilan	zanalyse	15	;	2,0	90	
	T		_	ies, discussion in	15		2,0	90	
	'	class	ments, own staa	103, 01300331011 111	1.	'	2,0		
Examination(s)	Code		f examination		Durati	on of			
		,,,,,,			examir				
	749112038	Writte	n exam [75%]		60 min			graded	
		Prereq	uisites for admis	sion to the exam:					
		Presen	tation						
	749112037	Report	(presentation) [25%]	during	during the semster			
Academic								not gradeo	
Achievements									
Other									



Code: ABS-120		Workload (h)	Credits (LP)	Duration (S	emester)	Term				
POS: 749112010		180	6,0	1	,	WS				
Coordinator	Dr. Carolin Kar	I .	,	1		II.				
Lecturers	Dr. Carolin Kar	mrath; Lucia Brandt; NN								
Teaching unit(s)		· · · · · · · · · · · · · · · · · · ·								
Usability	Course progra	m		М	ode Stu	ıdy semester				
	M.Sc. Agricultu	ural and Food Economics		E	3.					
	_	M.Sc. Agricultural Science and Resource Management in the Tropics O and Subtropics (ARTS)								
Learning objectives	Students will b	e able to identify and ana	alyze business planni	ing-related pr	oblems by	using suitable				
	·	d quantitative techniques.								
Key competences		ess problems and identify advanced qualitative and								
key competences	_			-	-	_				
Learning content		potential data sources and their application to specific problem solving in the agri-food sector Planning processes and planning problems; understanding future scenarios (strategic foresight);								
		group concept mapping (GCM) and survey design to explore public understanding; case studies;								
		ete choice experiments to		•	•	•				
	moderation ar	nalysis to explore causal re	elationships; social n	etwork analy	ses (Ucinet)	applied to				
	different units	different units of analysis: products, processes, company-level and/or entire supply chains in the								
	larger setting of the agribusiness. Students will become acquainted with relevant software programs									
	and databases to conduct own studies and present them to fellow students.									
Language	English									
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of										
students		1			T					
Course(s)	Teaching	Topic		Class size						
	method				time p					
					weel					
	L	Applied Planning Meth	ods in Agribusiness	25	4,0	180				
Examination(s)	Code	Type of examination		Duration						
	740443040	0 [500/]		examinati	on					
	749112018	Oral exam [50%]		60 min		graded				
	749112017	Assignment [50%]		during the	e semster	graded				
Academic				ı		not grade				
Achievements										
Other										
Juici										



Code: ABS-140			Workload (h)	Credits (LP)	Duration	(Semester) Te	erm		
POS: 749112040			180	6,0	1		W	/S		
Coordinator	Dr. Carolin Kar	mrath								
Lecturers	NN; Lucia Brar	ndt								
Teaching unit(s)	Agrar-, Forst-	und Ernä	ihrungswissenscha	ıften						
Usability	Course progra	m				Mode	Study	semester		
	M.Sc. Agricult	ural and	Food Economics			E	1.			
Learning objectives	of the agribusi present and di (Resource-bas These theory of	iness-rel iscuss di ed view) concepts	ated enterprises a fferent articles ste , Organisational N	cepts of managem nd chains. Moreov mming from the d lanagement (e.g. V ed to case studies	ver, participa omains of e. Value Chain	nts will hav g. Strategic analyses) aı	ve to co Mana nd rela	ompare, gement ted areas.		
Key competences	Working with theoretical fra agribusiness.	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 texplain empirical phenomena.								
Learning content	Broad overvie	Broad overview on management and organization of enterprises, value chains and food networks.								
	Academic case	Academic cases studies for teaching purposes.								
Language	English	English								
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of										
students								T		
Course(s)	Teaching method	Topic			Class	time	ntact e per eek	Workloa [h]		
	L	Orgar	nizational Manager	ment	25		١,0	180		
Examination(s)	Code	Type	of examination		Duratio examin					
	749112046	Assign	nment [67%]		during	ng the semster		graded		
	749112045	Prese	ntation [33%]		during	graded				
Academic Achievements		1			l			not grade		
Other								1		



Process Based Mana Code: ABS-150		Workload (h)	Credits (LP)	Duration	(Semeste	r) T	erm
POS: 749112050		180	6,0	1	i (Scilleste	., N	
Coordinator	PD Dr. Ralf He		0,0			•	
Lecturers	PD Dr. Ralf He						
Teaching unit(s)		und Ernährungswissensch	aften				
Usability	Course progra				Mode	Study	semester
•	M.Sc. Agriculti	ural and Food Economics			E	1.	
Learning objectives	•	arn main principles of bus tural sector with main pro		_	nain busin	ess mod	dels in the
Key competences		nabled to build process o		_	_	-	
Learning content	modelling tech	nterprise architecture ma nniques, process performa inuous and disruptive pro	nce indicators, pr	ocess simula	-	-	
Language	English						
Recommended knowledge	none						
Prerequisites	none						
Maximum number of students							
Course(s)	Teaching method	Topic		Class	tin	ontact ne per veek	Workload [h]
	L (blocked)	Process Based Manage	ment	25		2,0	90
	Proj (blocked)	Process Model and Arc company	hitecture of a	25		2,0	90
Examination(s)	Code	Type of examination		Duratio examin			
	749112059	Written exam		90 min			graded
Academic Achievements							not graded
Other							



Agricultural Produc Code: ABS-210			Workload (h)	Credits (LP)	Duration (Semesterl	Te	erm		
POS: 749112060			180	6,0	1	ocinester,	W			
Coordinator	PD Dr. Alisher	Mirzaba	ev	1 -7-						
Lecturers	PD Dr. Alisher	Mirzaba	ev							
Teaching unit(s)			ihrungswissenscha	ften						
Usability	Course progra				N	/lode St	tudy	semester		
,			Food Economics		E					
	_		nce (Teacher's Tra	ining)	E	Focus 1.				
			•	o,	E	cono				
					n	nics				
	M.Ed. Nutritio	n Scienc	e and Home Econo	mics (Teacher's T	raining) E	1.				
Learning objectives	Students acqu	ire knov	ledge on relevant	theories and met	hods of produ	ction econo	omics	and are ab		
	to apply these methods to problems in agriculture; they can identify core problems in this field and									
	are able to apply various methods for productivity analysis and farm management.									
Key competences	Analytical thin	Analytical thinking in the context of agricultural enterprise analysis, identification of farm management and production-related problems and finding solutions for them.								
Learning content		•	uction economics	•		-	•			
	•	•	d productivity ana		•	ated to cro	p and	l livestock		
	production; fa	rm man	agement tools; far	m growth and dev	velopment.					
Language	English	nglish								
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of										
students		1			1	1		1		
Course(s)	Teaching	Topic			Class siz			Workload		
	method					time	•	[h]		
						wee				
	L		iction economics		20	2,0		90		
	Т		iction economics		20	2,0)	90		
Examination(s)	Code	Туре	of examination		Duration					
					examina	ion				
	749112069	Writt	en exam		120 min			graded		
Academic								not grade		
Achievements										
Other										



Investment and Fin	ancing	T	T	T		, , ,		
Code: ABS-130		Workload (h)	Credits (LP)	Duration	(Semest		erm	
POS: 749212020	1	180	6,0	1		W	/S	
Coordinator	PD Dr. Alisher	Mirzabaev						
Lecturers	PD Dr. Alisher							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften					
Usability	Course progra				Mode		semester	
	M.Sc. Agricult	ural and Food Economics			E	3.		
	M.Ed. Agricult	cural Science (Teacher's Tra	aining)		E Focus	3.		
		Econo						
					mics			
	M.Ed. Nutritio	on Science and Home Econ	omics (Teacher's T	raining)	E	3.		
Learning objectives	Students will a	acquire the knowledge and	d skills necessary fo	or investment	t plannin	g and in	vestment	
	appraisal							
Key competences	Analytical thin	nking in the context of eco	nomics and mediu	m to long ter	m manag	gement		
Learning content	Planning of sir	Planning of single investments; simultaneous planning of investment and finance programs; finance						
	management	of the firm; investment an	d financing decision	ons under und	certainty			
Language	English							
Recommended	none							
knowledge								
Prerequisites	none							
Maximum number of								
students								
Course(s)	Teaching	Topic		Class s	ize C	ontact	Workload	
	method				tiı	me per	[h]	
					,	week		
	L	Investment and Financi	ng	30		2,0	90	
	T	Investment and Financi	ng	30		2,0	90	
Examination(s)	Code	Type of examination		Duratio	n of			
				examina	ation			
	749212029	Written exam		120 min	1		graded	
Academic							not graded	
Achievements								
Other								



Code: ABS-230		ment in Agribusiness Workload (h)	Credits (LP)	Duration (Sei	mester) .	Term			
POS: 749212100		180	6,0	1	-	SS			
Coordinator	Dr. Carolin Kai	mrath	-,-	I .	l .				
Lecturers	Dr. Michael W	'ustmans							
Teaching unit(s)									
Usability	Course progra	m		Mod	de Study	semester			
	M.Sc. Agricult	ural and Food Economics		E	2.				
Learning objectives	design of com Agribusiness.	re able to utilize strategica petitive strategies as well Moreover, the participant on of an innovation-orient	as innovation conc s are able to prepa	cepts for enterpri	ses and inst	-			
Key competences	Understanding	g and applying theories; u	sing analytical skills	s to solve probler	ns				
Learning content	an innovation innovation str	erview of strategic and innovation management tools that could support management in creat innovation-oriented and innovation-supporting organizational environment as well as develop tovation strategies and implementing new product development processes. Discussion of an propriate utilization of the tools in the development and implementation of strategic innovation neepts in particular business environments.							
Language	English	glish							
Recommended knowledge	none								
Prerequisites	ABS-140								
Maximum number of students	15 Students								
Course(s)	Teaching method	Topic	Topic		Contact time per week	Workload [h]			
	L	Strategy and Innovation Agribusiness	n Management in	25	4,0	180			
Examination(s)	Code	Type of examination		Duration of examination	Duration of examination				
	749212108	Oral exam [70%]		30 min		graded			
	749212107	Prerequisites for admis Regular Participation in Report [30%]		during the s	during the semster				
		Prerequisites for admis Project report, Particip Workshops							
	1	•		•		not gradeo			



Code: ABS-300		Workload (h)	Credits (LP)	Duration	Semester)	Te	erm			
POS: 749212080		180	6,0	1	,	SS	5			
Coordinator	PD Dr. Alisher	Mirzabaev	<u>'</u>			I				
Lecturers	PD Dr. Alisher	Mirzabaev								
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften							
Usability	Course progra	m		Ŋ	Node S	tudy	semester			
	M.Sc. Agricultural and Food Economics E 2.									
Learning objectives	Students are a	Students are able to apply the relevant theories and methods in the field of production economics,								
	productivity and efficiency analysis to agricultural production and food processing problems. They									
	practice resea	practice research techniques such as structuring a planning problem, data acquisition and the								
	application of	application of quantitative methods. Furthermore, they will gain hands-on experience in								
	presentation of	of scientific results and the	moderation of a	discussion.						
Key competences	Knowledge on	efficiency and productivit	y analysis, present	tation and wri	ting skills					
Learning content	Case studies r	ase studies related to agri-business and productivity analysis and planning problems.								
Language	English									
Recommended	Quantitative r	Quantitative methods, econometrics								
knowledge										
Prerequisites	Passed exam i	n module BAS-110 and on	e of the modules E	BAS-130 or AB	S-210					
Maximum number of										
students										
Course(s)	Teaching	Topic		Class siz	ze Con	tact	Workload			
	method				time	per	[h]			
					we	_				
	S	Production Economics	and Farm	20	4,	0	180			
		Management								
Examination(s)	Code	Type of examination		Duration	-					
				examina						
	749212087	Report (presentation)		during th	ne semster		graded			
Academic							not graded			
Achievements										
Other										



Code: ABS-310		Workload (h)	Credits (LP)	Duration (Se	mester)	Term				
POS: 749212090		180	6,0	1		SS				
Coordinator	Dr. Carolin Kaı	mrath		•						
Lecturers	NN; Lucia Brar	ndt; Dr. Natalie Laibach								
Teaching unit(s)										
Usability	Course progra	Course program Mode Study so								
	M.Sc. Agricult	ural and Food Economics		E	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 suppo									
	in enterprises,	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, analytica	l and writing skills							
Learning content	The seminar strives to analyze different food chains from different perspectives like e.g.,: Innovation									
	and quality ma	and quality management in agribusiness sector, convergence of value chains and networks or								
	acceptance of	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	English	English								
Recommended	none									
knowledge										
Prerequisites	ABS-140									
Maximum number of	15 Students									
students										
Course(s)	Teaching	Topic		Class size	Contact	Workload				
	method				time per	· [h]				
					week					
	S	Seminar Quality and In	novation	20	4,0	180				
		Management in Agribu	siness							
Examination(s)	Code	Type of examination		Duration of						
				examinatio	n					
	749212097	Report (presentation)		during the	semster	graded				
Academic						not graded				
Achievements										
Other						•				



Code: ABS-320		Workload (h)	Credits (LP)	Duration (Se	mester)	Term		
POS: 749112070		180	6,0	1	,	WS/SS		
Coordinator	Dr. Carolin Kaı	mrath		•				
Lecturers	NN; Dr. Carolii	n Kamrath						
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften					
Usability	Course progra	m		Mod	de Stud	ly semester		
	M.Sc. Agricult	ural and Food Economics		E	2./3	•		
Learning objectives		llows for special research clearly defined project "d	•	•	ween stude	ent and		
Key competences	Scientific resea	arch and writing						
Learning content	form of delive	opic from the field of "Technology and Innovation Management in Agribusiness". Specific topic orm of deliverable (paper, report, poster, documentation,) to be agreed upon between stude and coordinator.						
Language	English	nglish						
Recommended	none	none						
knowledge								
Prerequisites	Module ABS-1	40 or ABS-230 with 1.3 or	better have to be	completed at the	start of th	is module.		
Maximum number of students								
Course(s)	Teaching method	Topic		Class size	Contact time pe week			
	PS	Special project		3	4,0	180		
Examination(s)	Code	Type of examination		Duration of examination				
	749112079	Project work		during the s	during the semster			
Academic Achievements						not graded		
Other								



Code: ABS-340		Workload (h)	Credits (LP)	Duration (Se	mester)	Term	
POS: 749112080		180	6,0	1		WS/SS	
Coordinator	PD Dr. Alisher	Mirzabaev					
Lecturers	PD Dr. Alisher	Mirzabaev					
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften				
Usability	Course progra	Course program Mode Study s					
	M.Sc. Agricult	ural and Food Economics		E	2./:	3.	
Learning objectives	This module is	for special research proje	ects mutually agree	ed upon between	student a	nd coordinator.	
	A clearly defin	ed project "deliverable" w	vill be submitted.				
Key competences	Scientific rese	arch and writing					
Learning content	•	e field of "Production Ecor	•	•		(paper, report	
	poster, docum	nentation,) to be agreed	upon between stu	dent and coordir	nator.		
Language	English						
Recommended	none						
knowledge							
Prerequisites	Module ABS-2	10 with 1.3 or better or A	PO-230 with 1.7 or	better have to c	ompleted		
Maximum number of							
students							
Course(s)	Teaching	Topic		Class size	Contac	t Workload	
	method				time p	er [h]	
					week		
	PS*	Special project		5	4,0	180	
Examination(s)	Code	Type of examination		Duration of			
				examinatio	n		
	749112089	Term paper		during the	semster	graded	
Academic						not graded	
Achievements							
Other						•	



Code: ABS-350		Workload (h)	Credits (LP)	Duration (Semester)	Term		
POS: 749112090		180	6,0	1	,	WS		
Coordinator	Dr. Reinhard U	Jehleke						
Lecturers	Dr. Reinhard U	Jehleke; Dr. Stefan Seifert	:					
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften					
Usability	Course progra	m		N	/lode St	udy semester		
	M.Sc. Agricult	ural and Food Economics		E	3.			
Learning objectives	- acquire unde - are able to a - can retrieve	with voluntary (second pilerstanding of quasi-experipply methods for causal in the relevant causal estimath knowledge on experin	mental and experimenterence in the contenterence in the contenterence using the softw	ental evaluat ext of agricul are R,	tural policy	analysis,		
Key competences	Understanding causal impact techniques an	Inderstanding of cause and effect paths of agricultural policy instruments; analytical thinking about ausal impact in the context of environmental program evaluation; knowledge of quantitative echniques and software programming skills; ability to research, understand and reflect the current terature in this field.						
earning content	-	ental measures; potentia approaches to evaluate ir						
Language	English							
Recommended knowledge	B-AE-Ö-02 - Q	uantitative Research Met	hods					
Prerequisites	none							
Maximum number of students								
Course(s)	Teaching method	Topic		Class siz	e Conta time p wee	er [h]		
	S	Evidence based agricul analysis: causal effects		30	4,0	180		
Examination(s)	Code	Type of examination		Duration examinat				
	749112099	Written exam		90 min		graded		
		Prerequisites for admis	ssion to the exam:					
Academic Achievements						not grade		
Other	Cancelled in V	VS 21/22						



Marketing in Theor Code: MAC-100		Workload (h)	Credits (LP)	Duration (Se	mester)	Term				
POS: 749132040		180	6,0	1	-	WS				
Coordinator	Dr. Johannes S		-/-		ı					
Lecturers	Dr. Johannes S	Simons; Jeanette Klink-Leh	mann; Nina Weing	garten						
Teaching unit(s)		und Ernährungswissensch								
Usability	Course progra	m		Mo	de Stud	y semester				
		ural and Food Economics		E	3.	•				
Learning objectives	Students obtain deeper insights into marketing with a special focus on the framework of food									
5 ,		learn to apply theoretical								
	-	assisted simulation game.								
Key competences	Ability to apply	y different theoretical app	roaches to analyse	e and evaluate m	arketing 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 assis	computer assisted marketing game that simulates the outcome of decisions on an oligopolistic								
	market									
Language	English	inglish inglish								
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of	20 Students									
students										
Course(s)	Teaching	Topic		Class size	Contact					
	method				time per	⁻ [h]				
					week					
	L	Marketing in Theory an	d Practice		2,0	90				
	Т	Computer assisted simu	ulation game		2,0	90				
Examination(s)	Code	Type of examination		Duration of						
				examinatio	1					
	749132049	Written exam [60%]		60 min		graded				
	749132048	Presentation [40%]		during the s	graded					
Academic						not graded				
Achievements										



Code: ENV-240		Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749222050		180	6,0	1		WS			
Coordinator	PD Dr. Wolfga	ng Britz		•	<u>'</u>				
Lecturers	PD Dr. Wolfga	ng Britz							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften						
Usability	Course progra	m		Мо	de Stud	y semester			
	M.Sc. Agricult	ural and Food Economics		E	3.				
Learning objectives	With the com	pletion of this course, the	students have acq	uired advanced c	ompetence	in the			
	concepts, formulation and interpretation of farm-scale bio-economic programming approaches.								
	Furthermore, they have been introduced to the General Algebraic Modelling System (GAMS) and are								
	capable of independently modifying farm-scale economic simulation models in this modelling								
	language.								
Key competences	Conceptualiza	tion of bio-economic farm	n-scale problems, c	omputer program	nming, syst	ems thinking,			
		gramming models							
Learning content	Basics of linear and mixed-integer linear programming, programming solutions to farm scale								
	problems related to (1) branch management (crop and feed mix optimization, herd dynamics,								
	resource use), (2) environmental indicators and related policy instruments, (3) investment and								
		financing, (4) risk and risk behavior, (5) dynamic stochastics aspects.							
Language	English								
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students				T	1				
Course(s)	Teaching	Topic		Class size	Contact				
	method				time per	[h]			
					week				
	L	Modelling of Dynamic	Agri-ecological	15	4,0	180			
		systems							
Examination(s)	Code	Type of examination		Duration of					
				examinatio					
	749222059	Term paper		during the	emster	graded			
Academic						not graded			
Achievements									
Other									



Elective modules "Resource and Environmental Economics (ENV)"

Requirements for the Major Specification:

- Modules accounting for a minimum of 30 ECTS-CP in the Major Specification
 - The Research Seminar is in the Major Specification
 - The Master Thesis is in the Major Specification

Requirements for the Minor Specification:

- Modules accounting to a minimum of 18 ECTS-CP in the Minor Specification

Every module can only be accounted once i.e. either for the Major or Minor Specification.



Code: ENV-100 POS: 749122030 Coordinator			1					
		Workload (h)	Credits (LP)	Duration (Semeste	er) T	erm	
Coordinator		180	6,0	1		٧	VS	
	Prof. Dr. Jan B	örner						
Lecturers	Dr. Tsegaye Ta	gesse Gatiso; Yannic Dam	ım					
Teaching unit(s)	Agrar-, Forst- ı	und Ernährungswissensch	aften					
Usability	Course progra			N	/lode	Study	semester	
	M.Sc. Agriculti	ural and Food Economics		E		1.		
	M.Sc. Agriculti	ural Science and Resource s (ARTS)	Management in th	ne Tropics E		1.		
	-	Conservation and Landsca	pe Ecology		Block	1.		
		10: /-		A				
	M.Ed. Agricult	ural Science (Teacher's Tr	aining)		Focus	1.		
					cono			
	NA Est Niveritis	. C.:			nics			
t a a matina a la bita aktiona		n Science and Home Econ		<u> </u>		1.	4-1	
Learning objectives		btain a good knowledge a nomics and can apply the				ronmen	ital and	
Key competences		pility to reflect and discus						
Learning content	the Pollution happroaches De environmenta	Basic approaches of ecological and environmental economics;, The environmental Kuznets curve at 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; for consumption and sustainability						
Language	English	•						
Recommended	_	ge at bachelor level of mid	croeconomics and v	welfare theory	are rec	ommen	ded for this	
knowledge	module.	,		,				
Prerequisites	none							
Maximum number of students								
Course(s)	Teaching method	Topic		Class siz	tir	ontact ne per week	Workload [h]	
	L	Economics on Sustaina	bility	40		2,0	90	
	Т	Economics on Sustaina	· ·	40		2,0	90	
	Code	Type of examination	,	Duration		•		
Examination(s)	749122039 Written exam 120 min					graded		
Examination(s)	749122039	l Written exam						
Examination(s) Academic	749122039	Written exam		120 111111				
Examination(s) Academic Achievements	749122039	Written exam		120 111111			not grade	



Code: ENV-210		Workload (h)	Credits (LP)	Duration (Se	mester)	Term		
POS: 749122010		180	6,0	1	,	WS		
Coordinator	Prof. Dr. Jan B	örner		•	•			
Lecturers	Prof. Dr. Jan B	örner						
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften					
Usability	Course progra	m		Mo	de Stud	y semester		
	M.Sc. Agricult	ural and Food Economics		E	3.			
Learning objectives	institutions, o	nd the problem of biodiv ptimal control theory and plary research approache	international envi	ronmental agreei	ments that	can be used to		
Key competences	Students' own	creativity in research wilns either in models that ca	be developed; the	ey will furthermo	re be able t	o address real		
Learning content	institutional a factors in ABS	riorities in Biodiversity protection, redundancy and the pharmaceutical value of biodiversity, astitutional analysis in biodiversity protection: impact regulation in Germany and the US; critical actors in ABS-implementation; Optimal control theory in models on biodiversity protection; the neory of international environmental agreements and biodiversity protection.						
Language	English	nglish						
Recommended	none							
knowledge								
Prerequisites	none							
Maximum number of								
students	T 1:	T + ·		CI ·	1	1 147 11		
Course(s)	Teaching method	Topic		Class size	Contact time pe week			
	L	Economics of biodivers	ity protection	15	2,0	90		
	Т	Economics of biodivers	ity protection	15	2,0	90		
Examination(s)	Code	Type of examination		Duration of examination				
	749122019	Oral exam		45 min		graded		
Academic Achievements						not grade		
Other		ilds on knowledge of Env		nics and intertem	poral alloca	ation of		



Agricultural and Ag	, i-Liivii Oiliilei		1 1 (1)	0 10 (15)		1	-			
Code: ENV-220			load (h)	Credits (LP)	Duration (Ser	nester)	Term			
POS: 749122020	T	180		6,0	1		WS			
Coordinator	Prof. Dr. Karin									
Lecturers	Prof. Dr. Diete	r Schweizer								
Teaching unit(s)	Agrar-, Forst-	und Ernährungs	swissensch	aften						
Usability	Course progra	m			Mod	de Stuc	ly semester			
	M.Sc. Agricult	ural and Food E	conomics		E	3.				
	M.Sc. Nature	Conservation ar	nd Landsca _l	oe Ecology	0	3.				
Learning objectives	The students s	should receive a	an overview	on the legal base	of the agricultur	al and agri-	- environmenta			
	legislation of t	he EU and Gerr	many includ	ling the application	n and implement	ation in the	e 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 I	egal basics	of the primary pro	duction of food.					
Key competences	The students s	should be able t	to draft and	develop solutions	concerning prob	lems of th	e sector			
	described abo	ve.								
Learning content	The legal syste	The legal systematic of agricultural and agri- environmental legislation in Germany and its position in								
_	the EU; the im	plication of the	Civil Code	of Germany as reg	gards agricultural	farms; legi	slation 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	German									
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of	110116									
students										
Course(s)	Teaching	Topic			Class size	Contact	Workload			
Course(5)	method	, opic			0.033 3.20	time pe				
	method					week	י ניין			
	L	Agricultural	and Agri-Fr	vironmental Law	30	4,0	180			
Examination(s)				ivii Olillielitai Law		4,0	100			
LXaIIIIIation(3)	Code	Code Type of examination Duration of								
	examination				graded					
Acadomia	749122029	Written exar	11		120 min		graded			
Academic							not grade			
Achievements										
Other	1									



Code: ENV-300		Workload (h)	Credits (LP)	Duration (Semester)		Term			
POS: 749122040		180	180 6,0 1			WS			
Coordinator	Prof. Dr. Jan B	Prof. Dr. Jan Börner							
Lecturers	Prof. Dr. Jan Börner; Dominik Suri								
Teaching unit(s)	Agrar-, Forst-	Agrar-, Forst- und Ernährungswissenschaften							
Usability	Course progra	m	Mode Study						
	M.Sc. Agricult	M.Sc. Agricultural and Food Economics E 3.							
Learning objectives	Students will a	achieve a solid understand	ding of problems in	Environmental I	conomics	and Policy			
Key competences	-	rch questions and hypoth			ecological	economic theor			
		vorld problems using ecor							
		academic debates on env	ironmental policy d	esign					
		ng and presentation skills							
Learning content	•	in environmental econon	nic research						
Language	English								
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students		Τ		T	1 .	. 1			
Course(s)	Teaching	Topic	Class size	Contactime po					
	method								
	S*	Environmental Econon	Environmental Economics and Policy			180			
Examination(s)	Code	Type of examination	•			100			
LXammation(3)	Code	Type of examination	pe of examination Duration examin						
	749122049	Term paper [50%]	 m paper [50%]			graded			
		i i i i i i i i i i i i i i i i i i i		during the					
		Prerequisites for admis	ssion to the exam:						
		regular participation	•						
	749122048	Presentation [30%]				graded			
		Prerequisites for admis	rerequisites for admission to the exam:						
		regular participation							
	749122047	Project work [20%]	Project work [20%] during the semster						
		Prerequisites for admission to the exam:							
		Contribution to discuss	sions						
Academic						not graded			
Achievements						not gradet			
Other									
	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·				



Code: ENV-310		Workload (h)	Credits (LP)	Duration (Se	uration (Semester)					
POS: 749122050		180	6,0	1	` ' I					
Coordinator	Prof. Dr. Jan B	örner		•	.	•				
Lecturers	Prof. Dr. Jan Börner									
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften									
Usability	Course progra	ım		Mo	de Stud	ly semester				
	M.Sc. Agricult	ural and Food Economics		E	2./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 rese	arch and writing.								
Learning content	1 -	Topic from the field of Environmental, Ecological or Resource Economics. Specific topic and form of deliverable (paper, report, poster, documentation,) to be agreed upon between student and coordinator.								
Language	English									
Recommended knowledge	none									
Prerequisites		Modules ENV-100 and ENV-110 and ENV-130 have to be completed with simple average at or below 1.7 at the start of this module.								
Maximum number of students										
Course(s)	Teaching method	Topic		Class size	Contact time pe week					
	PS*	Special project		3	4,0	180				
Examination(s)	Code	Type of examination		Duration of examination						
	749122059					graded				
Academic				-		not graded				
Achievements										
Other		uilds on knowledge of Envi d non-renewable resource			-					



Impact evaluation of Code: ENV-130	Workload (h) Credits (LP) Duration (Semester) T				Te	erm			
POS: 749222040		180	6,0						
Coordinator	Prof. Dr. Jan B	örner	- / -						
Lecturers	Prof. Dr. Jan B	örner							
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften								
Usability	Course program Mode Study s								
,	M.Sc. Agricult	E 2							
	_	M.Sc. Agricultural Science and Resource Management in the Tropics E 2.							
	and Subtropic	s (ARTS)	•						
Learning objectives	The course wil	I introduce concepts and	quantitative techni	ques to eva	luate impact	s of co	onservation		
	measures, suc	h as payments for enviro	nmental services, in	tegrated co	nservation a	nd de	velopment		
	projects, and the enforcement of regulatory policies.								
Key competences	- Understandir	ng the differences betwee	en state-of-the-art e	valuation n	nethods				
	- 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; Cas								
		studies of conservation initiatives; Application of key methods to selected cases.							
Language	English								
Recommended	Basic knowled	ge of microeconomics an	d statistics						
knowledge									
Prerequisites	none								
Maximum number of									
students	Teaching	Topic		Class	size Cont	o ot	Workload		
Course(s)	method	Торіс		Class			[h]		
	method				time	•	ניין		
		Resource and Environr	nental Economics	15			90		
	- -	Resource and Environn		15	,		90		
Examination(s)	Code	Type of examination		Duratio					
	examination								
	749222047 Assignment during the semster						graded		
Academic	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		1 ~~9			not graded		
Achievements									
Other							<u> </u>		



Bio-economic mode Code: ENV-240		Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749222050		180	6,0	1	WS				
Coordinator	PD Dr. Wolfga	ng Britz	· ,		I				
Lecturers	PD Dr. Wolfga	ng Britz							
Teaching unit(s)		Agrar-, Forst- und Ernährungswissenschaften							
Usability	Course progra	m		Mo	de Stud	y semester			
	M.Sc. Agricult	M.Sc. Agricultural and Food Economics E 3.							
Learning objectives	With the comp	oletion of this course, the	students have acq	uired advanced c	ompetence	in the			
	concepts, forn	nulation and interpretation	n of farm-scale bio	-economic progr	amming ap	proaches.			
	Furthermore,	they have been introduce	d to the General A	lgebraic Modellir	ng System (0	GAMS) and are			
	capable of ind	capable of independently modifying farm-scale economic simulation models in this modelling							
	language.								
Key competences	Conceptualiza	tion of bio-economic farn	n-scale problems, c	omputer prograr	nming, syst	ems thinking,			
	analysis of programming models								
Learning content	Basics of linear and mixed-integer linear programming, programming solutions to farm scale								
	problems related to (1) branch management (crop and feed mix optimization, herd dynamics,								
	resource use), (2) environmental indicators and related policy instruments, (3) investment and								
		financing, (4) risk and risk behavior, (5) dynamic stochastics aspects.							
Language	English	English							
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students					1				
Course(s)	Teaching	Topic		Class size	Contact				
	method				time per	[h]			
					week				
	L	Modelling of Dynamic	Agri-ecological	15	4,0	180			
	<u> </u>	systems							
Examination(s)	Code	Type of examination		Duration of					
				examination					
	749222059	Term paper		during the s	semster	graded			
Academic						not grade			
Achievements									
Other									



Environmental Ecol	nomics and Po	licies							
Code: ENV-110			Workload (h)	Credits (LP)		Duration (Semester) Te			
POS: 749222010	_		180	6,0	1	S			
Coordinator	Dr. Tsegaye Ta	igesse G	atiso						
Lecturers	Dr. Tsegaye Ta	igesse G	atiso						
Teaching unit(s)									
Usability	Course progra					Mode	Study	semester	
	M.Sc. Agricult	M.Sc. Agricultural and Food Economics							
	M.Sc. Agriculti		nce and Resource	Management in the	ne Tropics	E	2.		
Learning objectives	<u> </u>	<u> </u>	nuse neoclassical	and institutional e	conomics t	n analyze t	he imna	acts of	
Learning objectives	environmenta			and matricational c		o analyze t	ne mipe	1013 01	
Key competences				easures: Enhanced	d capability	of discussir	ng comr	olex matters	
ney competences	_	Rigorous theoretical analysis of policy measures; Enhanced capability of discussing complex mat grounded in economic theory							
Learning content				ods, Common poo	l resources	and institut	tions, T	heoretically	
-	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	English	· · ·							
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students									
Course(s)	Teaching	Topic			Class	size Co	ontact	Workload	
	method					tin	ne per	[h]	
						V	veek		
	L	Enviro	nmental Econom	ics and Policies	40	0	2,0	90	
	Т	Enviro	nmental Econom	ics and Policies	40	0	2,0	90	
Examination(s)	Code	Type o	of examination		Durati	ion of			
	examination								
	749222019 Written exam 120 min						graded		
Academic								not graded	
Achievements									
Other									



Ethics in Food Cons Code: MAC-230			rkload (h)	Credits (LP)	Duration	(Semest	ter) 1	erm	
POS: 749232030	180		6,0	1	,		VS		
Coordinator	Prof. Dr. Moni			0,0	<u> </u>				
Lecturers	_			ımann; Laura Burkha	rdt: Dr. Ai	ırália Hal	lchand: [Prof Dr Dirk	
Lecturers	Lanzerath; Ror		ette Kiirk-Lei	illiailli, Laura Burkila	iut, Di. At	лене па	isbailu, i	TOI. DI. DIIK	
Teaching unit(s)	Agrar-, Forst- u		acwicconceb	ofton					
Usability	_		igswisserisch	aiteii		Mode	Study	semester	
Osability	Course programModeStudy sM.Sc. Agricultural and Food EconomicsE1./3.								
	M.Ed. Agricultural Science (Teacher's Training) E Focus 1./3. Econo								
						mics			
	M Ed Nutritio	n Science and	d Home Econ	omics (Teacher's Tra	ining)	E	1./3.		
Learning objectives				o the growing sense			-	s of food	
Learning Objectives	consumption a			o the growing sense v	or respons	Sibility III	the area	13 01 1000	
	· ·			the field of ethical co	onsumeris	m and Co	orporate	Social	
		•	•	I concepts and empi			orporace	Social	
Key competences							and pro	oduction in	
ney competences	Understanding developments, drivers and determinants of ethical consumption and production the food sector.							Jaaction III	
Learning content	Normative food ethics: Application of ethical theory and ethical decision making tools to food ethics								
0	topics; Behavioural consumer models: Understanding determinants of ethical consumption;								
	Influencing consumer choice (food labelling policies; nudges); Consumer power (e.g. boycotts versus								
	buycotts; social media); The concept of CSR; Economic theories and CSR; Effects of CSR (empirical								
	evidence); CSR communication; Case studies regarding CSR and ethical consumerism in the food								
	sector.								
Language	English								
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of									
students									
Course(s)	Teaching	Topic			Class	size (Contact	Workload	
	method					ti	ime per	[h]	
							week		
	L	Ethics in fo	od consump	tion and production	20		2,4	86	
	Т	Ethics in fo	od consump	tion and production	20		0,8	32	
	PS	Case studie	es regarding	ethics in the food	20		0,8	62	
		sector							
Examination(s)	Code	Type of ex	amination		Duratio	Duration of			
					examin	examination			
	749232037	Project wo	rk [60%]		60 min	60 min during the			
					semste				
	749232036 Assignment [40%] during the semster					graded			
A and and a									
Academic Achievements								not graded	
Acmevements									
Other	The event is ac	ditionally su	nnorted by a	uest lecturers					
Julici	Time event is at	authorially su	pported by 8	ucat icutui ci 3.					



Code: ABS-210		Workload (h)	Credits (LP)	Duration (Ser	nester)	Term
POS: 749112060		180	6,0	1	,	WS
Coordinator	PD Dr. Alisher	Mirzabaev			I	
Lecturers	PD Dr. Alisher	Mirzabaev				
Teaching unit(s)	Agrar-, Forst- ı	und Ernährungswissensch	naften			
Usability	Course progra	_		Mod	le Stud	y semester
•	M.Sc. Agricultural and Food Economics E 1.					
	_	ural Science (Teacher's Ti	raining)	E Fo	cus 1.	
		,	O,	Ecor	10	
				mics	;	
	M.Ed. Nutritio	n Science and Home Ecor	nomics (Teacher's 1	raining) E	1.	
Learning objectives	Students acqu	ire knowledge on relevar	t theories and met	hods of production	n economi	cs and are ab
	to apply these	methods to problems in	agriculture; they ca	an identify core pi	roblems in	this field and
	are able to app	oly various methods for p	roductivity analysi	s and farm manag	ement.	
Key competences	Analytical thin	king in the context of agr	icultural enterprise	e analysis, identific	cation of fa	rm
	management a	and production-related p	roblems and findin	g solutions for the	em.	
Learning content	Fundamentals	of production economics	and management	; factors influenci	ng the oper	ational result
	of farms; effici	ency and productivity an	alysis; managemer	nt problems relate	d to crop a	nd livestock
	production; fa	rm management tools; fa	rm growth and de	velopment.		
Language	English					
Recommended	none					
knowledge						
Prerequisites	none					
Maximum number of						
students						
Course(s)	Teaching	Topic		Class size	Contact	
	method				time per	[h]
					week	
	L	Production economics		20	2,0	90
	Т	Production economics		20	2,0	90
Examination(s)	Code	Type of examination		Duration of		
				examination		
	749112069	Written exam		120 min		graded
Academic						not grade
Achievements						
Other						



Partial and General Code: APO-250	-40	Workload (h)	Credits (LP)	Duration (Ser	masterl	Term
POS: 749242060		180	6,0	1	ilester)	SS
Coordinator	PD Dr. Wolfga		0,0	1 *		
Lecturers	PD Dr. Wolfgar					
Teaching unit(s)		ınd Ernährungswissensch	aften			
Usability	Course progra		arten	Mod	la Stur	dy semester
Osability		ural and Food Economics		F	2.	ay semester
Learning objectives	With the comp concepts, form policy analysis	oletion of this course, the nulation and interpretatio . Furthermore, they have re capable of independen	n of theory-based p been introduced to	ired advanced coartial and gener the General Alg	ompetence al equilibr	ium models for delling System
Key competences	Conceptualization	tion of market-scale prob	lems, computer pro	gramming, quar	ititative an	alysis of policy
Learning content	3) Key element 4) Flexible func 5) Modelling ir 6) Simulation 6 7) The structur 8) Key element 9) Simulation 6	n to GAMS tility maximization in GAN ts of Multi-Commodity m ctional forms and parame nternational trade: point in exercises of a Social Accounting in ts of Computable General exercises with selected CO	arket models (MCM eter calibration, welf markets, spatial abr unting Matrix Matrix I Equilibrium model	fare analysis itrage, Armingto	h	
Language	English					
Recommended knowledge	Module Micro	economics or equivalent				
Prerequisites	none					
Maximum number of students						
Course(s)	Teaching method	Topic		Class size	Contac time pe week	
	L	Partial and General Equ	uilibrium Modeling	20	4,0	180
Examination(s)	Code	Type of examination		Duration of examination	1	
	749242067	Term paper		during the s	emster	graded
Academic Achievements						not graded
Other						



	mester						
Coordinator Prof. Dr. Thomas Heckelei Lecturers An N.Q. Cao Teaching unit(s) Agrar-, Forst- und Ernährungswissenschaften Usability Course program M.Sc. Agricultural and Food Economics M.Sc. Agricultural socience and Resource Management in the Tropics and Subtropics (ARTS) 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 interpret outputs from econometric software packages. Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended none Recommended none Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact Notes of the control of the	ate						
Lecturers An N.Q. Cao Teaching unit(s) Agrar-, Forst- und Ernährungswissenschaften Usability Course program M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics O 2. and Subtropics (ARTS) Learning objectives Students will acquire competence in selecting and applying econometric methods to estima quantitative economic models derived from economic theory. In addition they will learn to 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended Recomm	ate						
Teaching unit(s) Agrar-, Forst- und Ernährungswissenschaften Course program M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics (ARTS) Students will acquire competence in selecting and applying econometric methods to estima quantitative economic models derived from economic theory. In addition they will learn to 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N	ate						
Usability Course program M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics of the Agricultural Science and Resource Management in the Tropics of the Agricultural Science and Resource Management in the Tropics of the Agricultural Science and Resource Management in the Tropics of the Agricultural Science and Resource Management in the Tropics of the Agricultural Science and Resource Management in the Tropics of the Agricultural Science of the Agri	ate						
M.Sc. Agricultural and Food Economics M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics (ARTS) 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 interpret outputs from econometric software packages. Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N	ate						
M.Sc. Agricultural Science and Resource Management in the Tropics and Subtropics (ARTS) Learning objectives Students will acquire competence in selecting and applying econometric methods to estima quantitative economic models derived from economic theory. In addition they will learn to interpret outputs from econometric software packages. Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended none Recommended Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
and Subtropics (ARTS) 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 interpret outputs from econometric software packages. Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
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interpret outputs from econometric software packages. Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N	use and						
Key competences Quantitative analysis; Competence in software use for quantitative analysis; 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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
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 Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
2) Model specification (functional form and variable choice) 3) Seemingly Unrelated Regression, system estimation 4) Endogenous regressors (instrumental variable estimation, Generalised Method of Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
3) Seemingly Unrelated Regression, system estimation 4) Endogenous regressors (instrumental variable estimation, Generalised Method of Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
4) Endogenous regressors (instrumental variable estimation, Generalised Method of Mome 5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended none knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
5) Panel data analysis 6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended none knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
6) Limited dependent variable models (Maximum Likelihood) 7) Using prior information in estimation (Bayesian estimation) Language English Recommended none knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N	ents)						
7) Using prior information in estimation (Bayesian estimation) Language English Recommended none knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
Language English Recommended none knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
Recommended knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
knowledge Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact							
Prerequisites Passed exam in module BAS-110 Maximum number of students Course(s) Teaching Topic Class size Contact N							
Maximum number of students Course(s) Teaching Topic Class size Contact V							
students Course(s) Teaching Topic Class size Contact V							
Course(s) Teaching Topic Class size Contact N							
	\\\ -						
	Workload						
week	[h]						
L Advanced Applied Econometrics 20 3,0	120						
T Advanced Applied Econometrics 20 1,0	60						
Examination(s) Code Type of examination Duration of							
examination							
	graded						
	not graded						
Achievements							
Other							



Code: ABS-350		Workload (h)	Credits (LP)	Duration (S	Semester)	Term
POS: 749112090		180	6,0	1	,	WS
Coordinator	Dr. Reinhard U	Jehleke	·	•		
Lecturers	Dr. Reinhard U	Jehleke; Dr. Stefan Seifert				
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften			
Usability	Course progra	m		M	ode Sti	udy semester
	M.Sc. Agricult	ural and Food Economics		E	3.	
Learning objectives	- acquire unde - are able to a - can retrieve	with voluntary (second pilerstanding of quasi-experipply methods for causal in the relevant causal estimath knowledge on experin	mental and experimenter enference in the contenter entors using the softw	ental evaluati ext of agricult rare R,	ural policy	analysis,
Key competences	Understanding causal impact	g of cause and effect path in the context of environ d software programming	s of agricultural polic mental program eval	cy instrument uation; know	s; analytica ledge of qu	I thinking abou antitative
earning content	-	nental measures; potentia approaches to evaluate in				
Language	English					
Recommended knowledge	B-AE-Ö-02 - Q	uantitative Research Met	nods			
Prerequisites	none					
Maximum number of students						
Course(s)	Teaching method	Topic		Class size	c Conta time p wee	er [h]
	S	Evidence based agricul analysis: causal effects		30	4,0	180
Examination(s)	Code	Type of examination		Duration examinati		
	749112099	Written exam		90 min		graded
		Prerequisites for admis Assignments	ssion to the exam:			
Academic Achievements						not grad
Other	Cancelled in V	VS 21/22				



Elective modules "Market and Consumer Research (MAC)"

Requirements for the Major Specification:

- Modules accounting for a minimum of 30 ECTS-CP in the Major Specification
 - The Research Seminar is in the Major Specification
 - The Master Thesis is in the Major Specification

Requirements for the Minor Specification:

- Modules accounting to a minimum of 18 ECTS-CP in the Minor Specification

Every module can only be accounted once i.e. either for the Major or Minor Specification.



Code: MAC-110		Workload (h)	Credits (LP)	Duration (Sen	nester)	Term			
POS: 749232020		180	6,0	1		SS			
Coordinator	Prof. Dr. Moni	ika Hartmann	•		•				
Lecturers	Prof. Dr. Moni	ika Hartmann							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften						
Usability	Course progra	m		Mod	e Stud	y semester			
	M.Sc. Agricult	ural and Food Economics		E	2.				
Learning objectives	Students will understand competitive processes. They know interdependencies between market								
	structure, con	duct and performance. Th	ey are able to appl	y theoretical app	roaches to	understand			
	and evaluate the functioning of specific markets.								
Key competences	Apply the the	ory of industrial economic	s to understand the	impact of marke	t structure	and market			
	conduct on ma	arket performance in the f	ood sector.						
Learning content	The role of co	mpetition, theory of the fi	rm, the SCP frame	work, analysing th	ne effects o	f 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.							
		lies analysing determinant	s of the level and p	ersistence of ma	rket perfori	mance.			
Language	English								
Recommended	Module Micro	economics or equivalent l	knowledge						
knowledge									
Prerequisites	none								
Maximum number of									
students						_			
Course(s)	Teaching	Topic		Class size	Contact	Workload			
	method				time per	[h]			
					week				
	L	Food Industrial Econom	nics	20	2,5	80			
	Т	Food Industrial Econom	nics	20	1,0	35			
	PS	Case studies of IE with	relevance for the	20	0,5	65			
		food sector							
Examination(s)	Code	Type of examination		Duration of					
				examination					
	749232027	Written exam [70%]		60 min		graded			
	749232026	Project work [30%]		during the se	emster	graded			
Academic						not graded			
Achievements									
	ĺ					1			



Code: MAC-120		Workload (h)	Credits (LP)	Duration (Sen	nester)	Term	
POS: 749232010		180	6,0	1	,	SS	
Coordinator	Prof. Dr. Monil	ka Hartmann			L		
Lecturers	Dr. Johannes S	imons; Dr. Nikolai Reyno	lds				
Teaching unit(s)		und Ernährungswissensch					
Usability	Course prograi	m		Mod	le Stud	y semester	
	M.Sc. Agriculti	ural and Food Economics		Е	2.	-	
Learning objectives	implications re	inderstand key concepts egarding theories of huma ey will learn how experin mental work.	an (economic) decis	sion making and (strategic) s	ocial	
Key competences	Apply the theo	oretical concepts of behave e markets, understand in ics. Presentation skills.		•			
Learning content	effects, status	e in neoclassical economi quo bias, heuristics and c economics, altruism, fairr	cognitive errors, nu	dging, libertarian	paternalis	m,	
Language	English						
Recommended	none						
knowledge							
Prerequisites	none						
Maximum number of students							
Course(s)	Teaching method	Topic		Class size	Contact time per week		
	L	Behavioral Economics		20	2,0	90	
	S	Behavioral Economics		20	2,0	90	
Examination(s)	Code	Type of examination		Duration of examination	ı		
	749232019	Written exam [70%]		60 min		graded	
	749232018	Presentation [30%]		during the so	emster	graded	
				l			
Academic Achievements						not grade	



Code: MAC-210		W	Vorkload (h)	Credits (LP)	Duratio	n (Semesto	er) T	erm
POS: 749132010			80	6,0	1	(00000	S	
Coordinator	Ching-Hua Yeh	<u> </u>		,			I	
Lecturers	Ingo Birkle; Ch	ing-Hua Ye	h; Nina Weinga	arten				
Teaching unit(s)			ungswissensch					
Usability	Course progra					Mode	Study	semester
·	M.Sc. Agricultu	ural and Fo	od Economics			E	2.	
Learning objectives	Deeper insight	t into meth	ods of quantita	tive and qualitative	e market an	d marketi	ng resea	arch.
Key competences	Earn a broad u	understandi	ing of the invol	ved methodology,	in order			
	a) to use resea	arch studies	for own decisi	on making;				
	b) to be able to	o conduct r	esearch.					
Learning content	Theoretical an	d methodo	logical backgro	und on measurem	ent and ana	alysis of at	titudes,	perception,
	evaluation, an	evaluation, and preferences using an experimental research approach and analyzing experimental data by using various ANOVA methods; applying experimental design approach, factor analysis,						
	data by using v	various ANG	OVA methods;	applying experime	ntal design	approach,	factor a	ınalysis,
	•		• •	e experiments, con	cept mappi	ng, and sti	ructural	equation
		nniques to t	test research m	odel.				
Language	English							
Recommended	Module BAS-1	.10 or equiv	alent knowled	ge				
knowledge								
Prerequisites	none							
Maximum number of								
students					T			.
Course(s)	Teaching	Topic			Class		ontact	Workload
	method						me per	[h]
							week	
	L			Market Research	25		2,0	90
	T			Market Research	25		2,0	90
Examination(s)	Code	Type of e	examination		Duration			
					examir			
	749132019		exam [75%]			60 min		graded
	749132018	Assignm	ent [25%]		during the semster			graded
Academic		1			I			not grade
Achievements								
Other								
J (1,1)								



	Communicati	on in the Food Secto		1		
Code: MAC-220		Workload (h)	Credits (LP)	Duration (Se	mester)	Term
POS: 749132020		180	6,0	1		SS
Coordinator	Dr. Johannes S	imons				
Lecturers	Dr. Johannes S	imons; Kathrin Meyer				
Teaching unit(s)	Agrar-, Forst- ι	und Ernährungswissensch	aften			
Usability	Course progra	m		Mo	de Stu	dy semester
	M.Sc. Agricultu	ural and Food Economics		E	2.	
Learning objectives		into communication theo owledge of communication ation policies.				• •
Key competences	Understanding food sector	g and critical evaluation of	f commercial and pub	olic communic	ation policy	in the agri-
Learning content	Approach, Age	conomics; Communication enda-Setting, Knowledge & digm, Attitude Change); N ies.	gap, Cultivation Theo	ry); Perceptio	n and Comr	nunication (e.g
Language	English					
Recommended	none					
knowledge						
Prerequisites	none					
Maximum number of students						
Course(s)	Teaching method	Topic		Class size	Contac time pe week	er [h]
	L	Consumer oriented Confood sector	mmunication in the	20	2,0	90
	S	Consumer oriented Confood sector	mmunication in the	20	2,0	90
Examination(s)		Turns of augmentantion		Duration o	f	
Examination(s)	Code	Type of examination		examinatio		
Examination(s)	749132029	Written exam [70%]				graded
Examination(s)				examinatio	n	graded graded
Examination(s) Academic Achievements	749132029	Written exam [70%]		examinatio 60 min	n	_



Code: MAC-230 POS: 749232030 Coordinator Lecturers Teaching unit(s) Usability Learning objectives Key competences Learning content Language	Lanzerath; Rom Agrar-, Forst- u Course program M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	tmann; Jeanette Klink-Lehman Wagner and Ernährungswissenscha maral and Food Economics ural Science (Teacher's Tra and Science and Home Economics as to introduce students to and production. are in-depth knowledge in the with respect to theoretical developments, drivers an	ining) omics (Teacher's Train the growing sense of the field of ethical colliconcepts and empir	Mod E E For Econ mics ning) E of responsibility onsumerism an	Halsband, le Stud 1./3 cus 1./3 y in the are	dy semester eas of food						
Coordinator Lecturers Teaching unit(s) Usability Learning objectives Key competences Learning content	Dr. Marius Bart Lanzerath; Rom Agrar-, Forst- u Course program M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	trann; Jeanette Klink-Lehman; Jeanette Klink-Lehman Wagner Ind Ernährungswissenscham Iral and Food Economics Iral Science (Teacher's Trans to introduce students to ind production. Ire in-depth knowledge in the with respect to theoretical developments, drivers and to introduce students.	mann; Laura Burkhar often omics (Teacher's Train o the growing sense of the field of ethical coll	Mod E E Foo Econ mics ning) E of responsibility onsumerism an	e Stud 1./3 cus 1./3 no 1./3 y in the are	; Prof. Dr. Dirk dy semester eas of food						
Teaching unit(s) Usability Learning objectives Key competences Learning content	Dr. Marius Bart Lanzerath; Rom Agrar-, Forst- u Course program M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	tmann; Jeanette Klink-Lehman Wagner and Ernährungswissenscha maral and Food Economics ural Science (Teacher's Tra and Science and Home Economics as to introduce students to and production. are in-depth knowledge in the with respect to theoretical developments, drivers an	ining) omics (Teacher's Train the growing sense of the field of ethical colliconcepts and empir	Mod E E For Econ mics ning) E of responsibility onsumerism an	e Stud 1./3 cus 1./3 no 1./3 y in the are	dy semester eas of food						
Teaching unit(s) Usability Learning objectives Key competences Learning content	Lanzerath; Rom Agrar-, Forst- u Course program M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	nan Wagner and Ernährungswissenscha m aral and Food Economics aral Science (Teacher's Tra and Science and Home Economics as to introduce students to and production. are in-depth knowledge in a with respect to theoretical developments, drivers an	ining) omics (Teacher's Train the growing sense of the field of ethical colliconcepts and empir	Mod E E For Econ mics ning) E of responsibility onsumerism an	e Stud 1./3 cus 1./3 no 1./3 y in the are	dy semester eas of food						
Learning objectives Key competences Learning content	Agrar-, Forst- u Course program M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	ind Ernährungswissenscham Iral and Food Economics Iral Science (Teacher's Transport of Science and Home Economics of Science and Home Economics to introduce students to the production. Ire in-depth knowledge in the with respect to theoretical developments, drivers and the science of Science and Science	ining) omics (Teacher's Train the growing sense conthe field of ethical coll l concepts and empir	E E Foo Econ mics ning) E of responsibility onsumerism andical case studie	1./3 1./3 1./3 1./3 1./3 1./3 2 in the are	eas of food						
Learning objectives Key competences Learning content	M.Ed. Agricultu M.Ed. Agricultu M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector	n science and Home Economics of Science and Home Economics of Science and Home Economics of Science and Home Economics to introduce students to and production. The in-depth knowledge in the with respect to theoretical developments, drivers and states.	ining) omics (Teacher's Train the growing sense conthe field of ethical coll l concepts and empir	E E Foo Econ mics ning) E of responsibility onsumerism andical case studie	1./3 1./3 1./3 1./3 1./3 1./3 2 in the are	eas of food						
Learning objectives Key competences Learning content	M.Sc. Agricultu M.Ed. Agricultu M.Ed. Nutritior The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	ral and Food Economics aral Science (Teacher's Transcience and Home Economics to introduce students to nd production. The in-depth knowledge in the with respect to theoretical developments, drivers and the control of the control o	omics (Teacher's Train the growing sense of the field of ethical co I concepts and empir	E E Foo Econ mics ning) E of responsibility onsumerism andical case studie	1./3 1./3 1./3 1./3 1./3 1./3 2 in the are	eas of food						
Key competences Learning content	M.Ed. Agricultu M.Ed. Nutritior The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	n Science (Teacher's Transcience and Home Economisto introduce students to nd production. re in-depth knowledge in the with respect to theoretical developments, drivers and the state of t	omics (Teacher's Train the growing sense of the field of ethical co I concepts and empir	E Foo Econ mics ning) E of responsibility onsumerism andical case studie	1./3 1./3 y in the are	eas of food						
Key competences Learning content	M.Ed. Nutrition The course aim consumption a Students acquir Responsibility v Understanding the food sector Normative food	n Science and Home Econo is to introduce students to nd production. re in-depth knowledge in with respect to theoretical developments, drivers an	omics (Teacher's Train the growing sense of the field of ethical co I concepts and empir	Econ mics ning) E of responsibility onsumerism and ical case studie	1./3 y in the are	eas of food						
Key competences Learning content	The course aim consumption a Students acquire Responsibility with Understanding the food sector Normative food	is to introduce students to nd production. re in-depth knowledge in t with respect to theoretical developments, drivers an	the growing sense of the field of ethical co I concepts and empir	mics ning) E of responsibility onsumerism an ical case studie	1./3 y in the are	eas of food						
Key competences Learning content	The course aim consumption a Students acquire Responsibility with Understanding the food sector Normative food	is to introduce students to nd production. re in-depth knowledge in t with respect to theoretical developments, drivers an	the growing sense of the field of ethical co I concepts and empir	of responsibility onsumerism an ical case studio	y in the are	eas of food						
Key competences Learning content	The course aim consumption a Students acquire Responsibility with Understanding the food sector Normative food	is to introduce students to nd production. re in-depth knowledge in t with respect to theoretical developments, drivers an	the growing sense of the field of ethical co I concepts and empir	of responsibility onsumerism an ical case studio	y in the are	eas of food						
Key competences Learning content	consumption a Students acquir Responsibility v Understanding the food sector Normative food	nd production. re in-depth knowledge in twith respect to theoretical developments, drivers and.	the field of ethical co I concepts and empir	onsumerism an ical case studie	d Corpora							
Learning content	Responsibility v Understanding the food sector Normative food	with respect to theoretical developments, drivers an	l concepts and empir	ical case studie	-	to Social						
Learning content	Understanding the food sector Normative food	developments, drivers an				Students acquire in-depth knowledge in the field of ethical consumerism and Corporate Social						
Learning content	the food sector	r.	d determinants of et	hical concumn	Responsibility with respect to theoretical concepts and empirical case studies.							
	Normative food		Understanding developments, drivers and determinants of ethical consumption and production in									
		and the second s										
Language	topics; Behavio	d ethics: Application of eth	•		_							
Language	topics; Behavioural consumer models: Understanding determinants of ethical consumption; Influencing consumer choice (food labelling policies; nudges); Consumer power (e.g. boycotts versus											
Language	_			•		-						
Language		I media);The concept of C										
Language	-	communication; Case stud	dies regarding CSR a	nd ethical cons	umerism i	n the food						
Language	sector.											
	English											
Recommended	none											
knowledge												
Prerequisites	none											
Maximum number of												
students	Tooching	Tonic		Class size	Contact	t Workloa						
Course(s)	Teaching method	Topic		Class size	Contact time pe							
	method				week	, [,,,						
	L	Ethics in food consumpt	ion and production	20	2,4	86						
	T	Ethics in food consumpt	•	20	0,8	32						
	PS	Case studies regarding e		20	0,8	62						
	F3	sector	etilics ill tile 1000	20	0,8	02						
Examination(s)	Code	Type of examination		Duration of								
Examination(3)	Couc	Type of examination		Duration of examination								
	749232037	Project work [60%]		60 min durin		graded						
	7 13232037	Troject Work [0070]		semster	.B (c	gradea						
	749232036	Assignment [40%]		during the se	emster	graded						
					- ··	0.3.00						
Academic		1		1		not grade						
Achievements						2 2 6. 3. 4. 4						
Other	†	ditionally supported by gu										



Code: MAC-100		Workload (h	Credits (LP)	Duration (Se	mester)	Term
POS: 749132040		180	6,0	1		WS
Coordinator	Dr. Johannes S	imons				
Lecturers	Dr. Johannes S	imons; Jeanette Klink	-Lehmann; Nina Weing	garten		
Teaching unit(s)	Agrar-, Forst- ι	und Ernährungswisser	nschaften			
Usability	Course progra	m		Mo	de Stud	y semester
	M.Sc. Agricultu	ural and Food Econom	nics	E	3.	
Learning objectives			marketing with a spe			
	assisted simula		tical knowledge to an	oligopolistic mari	cet using a c	omputer
Key competences	Ability to apply appropriately,	y different theoretical	approaches to analyse	e and evaluate m	arketing on	food markets
Learning content	Framework for perception, pu	rchase decisions, opp	ortunities and limits to	products, processing of information, riston shape the market, taking part in a tcome of decisions on an oligopolistic		
Language	English					
Recommended	none					
knowledge						
Prerequisites	none					
Maximum number of students	20 Students					
Course(s)	Teaching method	Topic		Class size	Contact time per week	
	L	Marketing in Theor	y and Practice		2,0	90
	Т	Computer assisted	simulation game		2,0	90
Examination(s)	Code	Type of examinatio	n	Duration of examination		
	749132049	Written exam [60%	5]	60 min		graded
	749132048	Presentation [40%]	-	during the s	graded	
Academic Achievements		1				not graded



Seminar Marketing Code: MAC-300		Workload (h)	Credits (LP)	Duration (Ser	nester)	Term		
POS: 749132030		180	6,0	1	,	WS		
Coordinator	Prof. Dr. Moni		5,5		I			
Lecturers	Nina Weingar	ten						
Teaching unit(s)		und Ernährungswissensch	aften					
Usability	Course progra			Mod	de Stud	ly semester		
•	M.Sc. Agricult	ural and Food Economics		Е	3.	•		
Learning objectives		n to apply the relevant the	•		_	•		
	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							
Var. aa manatan aa						ination and		
Key competences	writing skills	developing, carrying out a	and evaluating surv	eys, presentation	i, commun	ication and		
Learning content		on agricultural and food i	markets and food n	narketing at a nat	ional and i	nternational		
Learning content	level	on agricultural and rood i	markets and rood in	narketing at a nat	ional and i	nternational		
Language	English							
Recommended	Module MAC-	210						
knowledge								
Prerequisites	none							
Maximum number of students								
Course(s)	Teaching	Topic		Class size	Contact	t Workload		
	method				time pe	r [h]		
					week			
	S*	Market Analysis and M	arketing	20	4,0	180		
Examination(s)	Code	Type of examination		Duration of				
				examination		graded		
	749132037	Term paper [70%]		_	uring the semster			
	749132036	Presentation [30%]		during the s	emster	graded		
Academic		1				not graded		
Achievements								
Other								



Code: MAC-310		Workload (h)	Credits (LP)	Duration (Se	mester)	Term	
POS: 749132050		180	6,0	1	•	WS/SS	
Coordinator	Prof. Dr. Moni	ka Hartmann					
Lecturers	Ching-Hua Yel	r; Dr. Johannes Simons					
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissenscha	ften				
Usability	Course program Mode Study s						
	M.Sc. Agricult	ural and Food Economics		E	2./3	3.	
Learning objectives	This module a	llows for special research p	rojects mutually a	greed upon bet	reed upon between studen		
	coordinator.						
Key competences	Scientific research	arch and writing.					
Learning content	Topic from the	e field of Market and Consu	ımer Research. Spe	ecific topic and	form of del	iverable (e.g.	
	paper, report,	poster, documentation) to	be agreed upon b	etween studen	and coord	linator.	
Language	English						
Recommended	none						
knowledge							
Prerequisites	Two MAC mod	dules have to be completed	l with the simple a	verage at or bel	ow 1.3.		
Maximum number of							
students							
Course(s)	Teaching	Topic		Class size	Contac	t Workload	
	method				time pe	er [h]	
					week		
	PS	Special Project in Marke	t and Consumer	5	4,0	180	
		Research					
Examination(s)	Code	Type of examination		Duration of			
					examination		
	749132059	Project work		during the	semster	graded	
Academic						not graded	
Achievements							
Other							



Advanced Applied I	Econometrics								
Code: APO-230		Workload (h)	Credits (LP)	Duratio	n (Semester) T	erm		
POS: 749242010		180	6,0	1		S	S		
Coordinator	Prof. Dr. Thom	nas Heckelei							
Lecturers	An N.Q. Cao								
Teaching unit(s)	Agrar-, Forst- ı	und Ernährungswissensch	aften						
Usability	Course progra				Mode	Study	semester		
	M.Sc. Agriculti	ural and Food Economics			E	2.			
	M.Sc. Agricultu and Subtropics	ural Science and Resource s (ARTS)	Management in t	he Tropics	0	2.			
Learning objectives	quantitative e	ocquire competence in sel conomic models derived to uts from econometric sof	rom economic the	_					
Key competences	Quantitative a	nalysis; Competence in so	oftware use for qua	antitative an	alysis;				
Learning content		eral Linear Model and OL							
	2) Model spec	ification (functional form	and variable choice	e)					
	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	English								
Recommended	none								
knowledge									
Prerequisites	Passed exam i	n module BAS-110							
Maximum number of students									
Course(s)	Teaching method	Topic		Class	time	itact e per eek	Workload [h]		
	L	Advanced Applied Ecor	nometrics	20) 3	,0	120		
	Т	Advanced Applied Ecor	nometrics	20) 1	,0	60		
Examination(s)	Code	Type of examination		Duratio	on of				
				examir	nation				
	749242019	Assignment		during	the semster	-	graded		
Academic							not graded		
Achievements									
	+						l		



Elevtive modules "Agricultural and Development Policy (APO)"

Requirements for the Major Specification:

- Modules accounting for a minimum of 30 ECTS-CP in the Major Specification
 - The Research Seminar is in the Major Specification
 - The Master Thesis is in the Major Specification

Requirements for the Minor Specification:

- Modules accounting to a minimum of 18 ECTS-CP in the Minor Specification

Every module can only be accounted once i.e. either for the Major or Minor Specification.



Code: APO-110		Workload (h)	Credits (LP)	Duration (Se	mester)	Term					
POS: 749142020		180	6,0	1	,	WS					
Coordinator	Dr. Arnim Kuh	n	· ·								
Lecturers	Dr. Arnim Kuh	n									
Teaching unit(s)	Agrar-, Forst- ı	und Ernährungswissensch	aften								
Usability	Course progra	m		Mo	de Stu	dy semester					
	M.Sc. Agriculti	ural and Food Economics		E	1./3	3.					
	M.Ed. Agricult	ural Science (Teacher's Tra	aining)	E Fo	cus 1./3	3.					
				Eco	no						
				mic	s						
		n Science and Home Econ			1./3						
Learning objectives		At the end of the course, students will be able to apply economic theory in analysing existing									
		licies. Students will learn									
	-	acquire a thorough unders	_	-	nitations o	f theories by					
	-	ssing the outcomes of diff		ies.							
Key competences		eory-based argumentatio									
Learning content	1) Theoretical Background for evaluating agricultural policies, reference to e.g. (new) welfare										
	,	st-benefit analysis, pubic o									
		2) Economic analysis of agricultural policies of important global players (e.g. EU, US, China),									
		developing, transition countries 2) Current topics and future challenges in international agricultural policy (e.g. rural development)									
	3) Current topics and future challenges in international agricultural policy (e.g. rural development, sustainable intensification)										
		ensification)									
Language	English										
Recommended	Module Micro	economics or similar knov	vledge in microeco	nomic theory at	master lev	/el					
knowledge											
Prerequisites	none										
Maximum number of students											
Course(s)	Teaching	Topic		Class size	Contac	t Workload					
Course(s)	method	Торіс		Class size	time pe						
	method				week						
	L	European and Internati	onal Agricultural	20	3,0	120					
	_	Policy	onai Agriculturai	20	3,0	120					
	Т	European and Internati	onal Agricultural	20	1,0	60					
	'	Policy	onai Agriculturai	20	1,0						
Examination(s)	Code	Type of examination		Duration of							
zxarimacion(3)	Code	Type or examination		examination							
	749142028	Assignment [50%]		during the s		graded					
	749142027	Oral exam [50%]		during the s	Cilistei	graded					
	743142027	Oral exam [50%]				graded					
						not graded					
 Academic						i prauct					
Academic Achievements											
Academic Achievements											



Code: APO-130			Workload (h)	Credits (LP)	Duratio	n (Semeste	er) T	erm		
POS: 749242070			180	6,0	1		V	٧S		
Coordinator	Prof. Dr. Jan B	örner								
Lecturers	Dr. Emmanuel	Nshakir	a Rukundo							
Teaching unit(s)	Agrar-, Forst- ι	und Ernä	ihrungswissenscha	aften						
Usability	Course progra	m				Mode	Study	semester		
	M.Sc. Agricultu	ural and	Food Economics			E	1./3.			
	M.Sc. Agricultu and Subtropics		nce and Resource	Management in t	he Tropics	С	1.			
Learning objectives	Students will be familiar with the theoretical and methodological basics of Rural Development. They									
	gain knowledg	e on ph	enomena and stra	tegies at the micro	o and the m	acro level,	the stru	ıcture,		
	function and c	hange o	f rural developme	nt and an underst	anding of th	e process	of chang	ge in the		
			in rural areas of d		es; they obt	ain the ab	ility to d	lefine needs		
			and related strateg							
Key competences	-		luation of English	text material; Visu	ualization in	brainstorn	ning and	d mind		
	mapping-proce									
Learning content		-	cepts and indicato		•			•		
	participation, phenomena of rural development (networks, globalization, migration, poverty,									
	urbanization).									
	Theory of rural development, prerequisists and difficulties, analysis of stakeholders, social structures of farming systems, social soc									
	of farming systems, social security systems, cooperatives, farmers associations and MFIs in developing countries, agricultural reforms in selected countries.									
Languaga	· · ·	untries,	agricultural reform	is in selected coul	itries.					
Language	English									
Recommended	none									
knowledge Prerequisites	nono									
Maximum number of	none									
students										
Course(s)	Teaching	Topic			Class	cizo C	ontact	Workload		
Course(s)	method	Topic			Class		ne per	[h]		
	metriod						week	ניין		
	<u> </u>	Agrica	ultural and Food E	conomics	25		1,3	60		
		_	ultural and Food E		25		2,7	120		
Examination(s)	Code		of examination	CONTONNICS	Duration		-,,	120		
		.,,,,	5. 5.a.i.iiiatioii		examir					
	749242079	Writte	en exam		100 m			graded		
Academic	52 /20/3				1200 1111			not grade		
Achievements								Si duct		
Other								L		
	1									



Applied Modelling of Code: APO-220		Workload (h)	Credits (LP)	Duration (Sen	nester)	Term				
POS: 749242020		180	6,0	1	,	WS				
Coordinator	PD Dr. Wolfga	ng Britz	· ·	•	I					
Lecturers	PD Dr. Wolfga	ng Britz								
Teaching unit(s)		und Ernährungswissensch	aften							
Usability	Course progra			Mod	e Stud	y semester				
	M.Sc. Agricult	ural and Food Economics		Е	3.					
Learning objectives	With the comp	pletion of this course, stud	lents have acquired	experience in de	evelopmen	t, application				
	and scenario analysis with a large scale economic modelling system and a self-organized									
	collaborative r	research project over seve	ral months.							
Key competences	Self organizati	on of a complex IT and mo	odelling project in g	roup work; docu	mentation	of project and				
	code; data ma	nagement (download fror	n portals, format ch	anges, appropri	ate aggrega	ation); analysis				
	and presentat	ion of quantiative results								
Learning content	The students of	develop several competing	g ideas for an econo	mic problem to I	be analyze	d with a				
		economic simulation mode		-	-					
	the competing problems to analyze. They organize a time-line for the chosen project including tasks									
	and deliverables and define sub-groups (e.g. related to project coordination, literature research, data									
	acquisition, coding, reporting and documentation). They perform the planned project in sub-groups,									
	meeet regularly to monitor project progress and revise their project as needed. They present their									
	findings in a presentation with a follow-up discussion and write a report of about 30 pages which									
		neir project. The lecturer v	vill moderate the pr	ocess and help w	vith technic	cal issues.				
Language	English									
Recommended	Module APO-2	210 or equivalent knowled	lge							
knowledge										
Prerequisites	none									
Maximum number of										
students				1						
Course(s)	Teaching	Topic		Class size	Contact					
	method				time per	[h]				
					week					
	Proj	Applied Modelling of A	gricultural Systems	20	4,0	180				
Examination(s)	Code	Type of examination		Duration of						
				examination						
	749242028	Report (presentation) [50%]	during the se		graded				
	749242027	Report [50%]		during the se	during the semster					
Academic						not graded				
Achievements										
Other										



Code: APO-310		Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749142050		180	6,0	1	•	WS/SS			
Coordinator	Prof. Dr. Thom	nas Heckelei		<u> </u>					
Lecturers	Prof. Dr. Thom	nas Heckelei							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissenscha	aften						
Usability	Course progra	m		Mo	de Stu	dy semester			
	M.Sc. Agricult	ural and Food Economics		Е	2./3	3.			
Learning objectives		llows for special research page of the comment of t	•	•	ween stud	ent and			
Key competences	Scientific rese	arch and writing							
Learning content	Topic from the	e field of Agricultural and D	Development Polic	y. Specific topic	and form c	f deliverable			
	(paper, report	, poster, documentation	.) to be agreed up	on between stud	dent and co	ordinator			
Language	English	lish							
Recommended	none								
knowledge									
Prerequisites	Two Modules	out of APO-110, APO-220,	APO-230, APO-24	0, APO-250 have	e to be con	pleted with			
	simple averag	e at or below 1.3 at the sta	ort of this module						
Maximum number of students									
Course(s)	Teaching	Topic		Class size	Contac	t Workload			
	method				time pe week				
	PS	Special Project		5	4,0	180			
Examination(s)	Code	Type of examination		Duration of examination					
	749142059	Project work		during the	semster	graded			
Academic		•		·		not graded			
Achievements									
Other									
Other									



Seminar Policy Ana Code: APO-300	- 1	Workload (h)	Credits (LP)	Duration (Se	mostor)	Term			
POS: 749142030		180	6,0	1	illester)	WS			
Coordinator	Prof. Dr. Thom	===	0,0	1		WS			
Lecturers	Dr. Arnim Kuh	• •	· ·						
Teaching unit(s)	_	und Ernährungswissensch	arten						
Usability	Course progra			Mo		ly semester			
		ural and Food Economics		E	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		communication and writir							
Learning content	•	pical issues on agricultural policy at European and international level will be analysed in written							
	term papers.								
Language	English								
Recommended	none								
knowledge									
Prerequisites	none								
Maximum number of students									
Course(s)	Teaching	Topic		Class size	Contac	t Workload			
	method				time pe	r [h]			
					week				
	S	Policy Analysis		20	4,0	180			
Examination(s)	Code	Type of examination		Duration of					
				examination	n				
	749142038	Term paper [67%]		during the s	semster	graded			
	749142037	Presentation [33%]		during the s	semster				
Academic		•		•		not gradeo			
Achievements									
Other						l			



Code: APO-250		Workload (h)	Credits (LP)	Duration (Sen	nester)	Term				
POS: 749242060		180	6,0	1		SS				
Coordinator	PD Dr. Wolfgar	ng Britz	,	,						
Lecturers	PD Dr. Wolfgar	ng Britz								
Teaching unit(s)		und Ernährungswissensch	aften							
Usability	Course prograi			Mod	e Study	/ semester				
·	M.Sc. Agricultu	ural and Food Economics		E	2.					
Learning objectives	With the completion of this course, the students have acquired advanced competence in the									
	concepts, formulation and interpretation of theory-based partial and general equilibrium models fo									
	policy analysis. Furthermore, they have been introduced to the General Algebraic Modelling System									
	(GAMS) and are capable of independently modifying market-scale economic simulation models in									
	this modelling									
Key competences		tion of market-scale probl	ems, computer pro	ogramming, quan	titative ana	lysis of policy				
	instruments.									
Learning content	1) Introduction									
	2) Profit and utility maximization in GAMS 3) You claments of Multi-Commodity market models (MCM)									
	3) Key elements of Multi-Commodity market models (MCM) A) Elevible functional forms and parameter calibration, welfare analysis									
	4) Flexible functional forms and parameter calibration, welfare analysis 5) Modelling international trade: point markets, spatial abritrage. Armington approach									
	5) Modelling international trade: point markets, spatial abritrage, Armington approach 6) Simulation exercises of a Social Accounting Matrix									
	6) Simulation exercises of a Social Accounting Matrix 7) The structure of a Social Accounting Matrix									
	8) Key elements of Computable General Equilibrium model (CGE)									
		exercises with selected CG	-	r (CGL)						
Language	English	exciteises with selected ed	IL IIIOUCIS							
Recommended		economics or equivalent								
knowledge	Wiodale Wilerov	economics of equivalent								
Prerequisites	none									
Maximum number of										
students										
Course(s)	Teaching	Topic		Class size	Contact	Workload				
()	method	'			time per	[h]				
					week					
	L	Partial and General Equ	ilibrium Modeling	20	4,0	180				
Examination(s)	Code	Type of examination		Duration of	•					
				examination						
	749242067	Term paper		during the se	emster	graded				
Academic						not graded				
Academic										
Achievements										



Applied Trade Theo Code: APO-120	<u> </u>	Workload (h)	Credits (LP)	Duration (Ser	nester)	Term			
POS: 749242030		180	6,0	1	-	WS			
Coordinator	Prof. Dr. Thom								
Lecturers	Prof. Dr. Thom	as Heckelei; Dr. Yaghoob	Jafari						
Teaching unit(s)		und Ernährungswissensch							
Usability	Course progra			Mod	le Stud	y semester			
,		ural and Food Economics		E	3.	,			
	_	ural Science and Resource	Management in th	ne Tropics E	3.				
	and Subtropics		•						
Learning objectives	Students will gain an overview on classical and new economic theories of international trade								
	explaining trac	de patterns between coun	tries. Exercises and	d discussion of ap	plications v	vith emphasis			
	in agricultural	and food products will all	ow students to app	oly the theories a	nd understa	and their			
	limitations. Stu	udents will learn to work v	vith academic trad	e literature and t	o assess the	e trade and			
	_	ts of trade policies indepe	•	text of exercises.					
Key competences		sment of academic literati							
	-	sheet tools for quantitativ	_						
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	English	icinational minis affect tra-	ис.						
Recommended	_	economics or similar know	vledge in microeco	nomics at master	r level				
knowledge									
Prerequisites	none								
Maximum number of									
students									
Course(s)	Teaching	Topic		Class size	Contact	Workload			
	method				time per	[h]			
	memou				week				
	L	Applied Trade Theory a	•	20	1 .	120			
		Applied Trade Theory a Applied Trade Theory a	•	20 20	week	120 60			
Examination(s)	L	1	•		week 3,0				
Examination(s)	L T	Applied Trade Theory a	•	20	3,0 1,0				
Examination(s)	L T	Applied Trade Theory a	•	20 Duration of	week 3,0 1,0				
Examination(s) Academic	L T Code	Applied Trade Theory a Type of examination	•	20 Duration of examination	week 3,0 1,0	60			
	L T Code	Applied Trade Theory a Type of examination	•	20 Duration of examination	week 3,0 1,0	60 graded			
Academic	L T Code	Applied Trade Theory a Type of examination	•	20 Duration of examination	week 3,0 1,0	60 graded			



Advanced Applied E	conometrics								
Code: APO-230			Workload (h)	Credits (LP)	Duratio	n (Semeste	er) T	erm	
POS: 749242010			180	6,0	1		S	S	
Coordinator	Prof. Dr. Thom	nas Heck	elei						
Lecturers	An N.Q. Cao								
Teaching unit(s)	Agrar-, Forst-	und Ernä	ihrungswissensch	aften					
Usability	Course progra	m				Mode	Study	semester	
	M.Sc. Agricult	ural and	Food Economics			E	2.		
	M.Sc. Agricultural Science and Resource Management in the Tropics O 2. and Subtropics (ARTS)								
Learning objectives	Students will a	acquire c	ompetence in sel	ecting and applying	g economet	ric method	s to est	imate	
	quantitative e	conomic	models derived f	rom economic the	ory. In addi [,]	tion they w	ill learn	to use and	
	interpret outp	uts from	econometric sof	tware packages.					
Key competences				ftware use for qua	intitative an	alysis;			
Learning content			ear Model and OL						
	Model specification (functional form and variable choice) 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)								
		informat	tion in estimation	(Bayesian estimat	ion)				
Language	English								
Recommended	none								
knowledge	ļ <u>.</u>		DAG 110						
Prerequisites	Passed exam i	n modul	e BAS-110						
Maximum number of									
students	Total	T			Class	-:)	
Course(s)	Teaching	Topic			Class		ontact	Workload	
	method						ne per week	[h]	
	L		nced Applied Ecor		20		3,0	120	
	Т		nced Applied Ecor	ometrics	20		1,0	60	
Examination(s)	Code	Type	of examination		Durati	on of			
					exami	nation			
	749242019	Assign	nment		during	the semst	er	graded	
Academic								not graded	
Achievements									
Other								1	
	•								



Code: APO-240 POS: 749242040 Coordinator Lecturers Teaching unit(s) Usability		Workload (h) 180	Credits (LP) 6,0	Duration 1	n (Semester		erm			
Coordinator Lecturers Teaching unit(s)	Prof. Dr. Matir		6,0	1 1						
Lecturers Teaching unit(s)	Prof. Dr. Matir			±		S	5			
Teaching unit(s)										
		Qaim; PD Dr. Alisher Mir		rlasca						
Usability		ınd Ernährungswissensch	aften			CL L				
	Course progra						semester			
	_	ural and Food Economics				2.				
	_	iral Science and Resource	Management in t	ne iropics	E	2.				
Loarning objectives	and Subtropics		ourse students wi	ll have an ev	orviou on a	occonti	al theories o			
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. Moreove									
	economic development and understand their practical relevance for developing countries. Moreove									
	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		proach to analysis								
Learning content		evelopment: Definitions a	and measurement	concepts						
		ries of economic develop		•	ages of Eco	nomic	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									
		Analysis of Developmen	t Policy							
Language	English									
Recommended	Module Micro	economics or similar knov	vledge							
knowledge										
Prerequisites	none									
Maximum number of										
students	Tarabina	T:-		Class	-i C		14/			
Course(s)	Teaching	Topic		Class		ntact	Workload			
	method					e per	[h]			
	<u> </u>	Development Economic		20		<u>eek</u> 2,0	90			
	T	Development Economic		20		-	90			
Examination(s)	Code	Type of examination	LS	Duratio		2,0	90			
Examination(s)	Code	Type of examination		examir						
	749242049	Written exam		120 mi			graded			
Academic	743242043	vviitteii exaiii		120 1111	III		not graded			
Achievements							not grauet			
Acmevements										



Code: ABS-350		Workload (h)	Credits (LP)	Duration ((Semester)	Ter	m
POS: 749112090		180	6,0	1	,	WS	
Coordinator	Dr. Reinhard U	Jehleke					
Lecturers	Dr. Reinhard U	Jehleke; Dr. Stefan Seifer	:				
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften				
Usability	Course progra	m		ſ	Mode St	udy se	mester
	M.Sc. Agricult	ural and Food Economics		E	3.		
Learning objectives	- acquire unde - are able to a - can retrieve	with voluntary (second pilerstanding of quasi-experipply methods for causal in the relevant causal estimate handwidth knowledge on experin	mental and experimenterence in the contenterence in the contenterence using the softw	ental evalua ext of agricul are R,	tion method Itural policy	analys	
Key competences	Understanding causal impact	g of cause and effect path in the context of environ d software programming	s of agricultural polic mental program eval	cy instrumer uation; knov	nts; analytic	al thinl uantita	king about tive
earning content	_	ental measures; potentia approaches to evaluate ir					
Language	English						
Recommended knowledge	B-AE-Ö-02 - Q	uantitative Research Met	hods				
Prerequisites	none						
Maximum number of students							
Course(s)	Teaching method	Topic		Class siz	ze Cont time wee	per	Workload [h]
	S	Evidence based agricul analysis: causal effects		30	4,0)	180
Examination(s)	Code	Type of examination		Duration examina			
	749112099	Written exam		90 min		,	graded
		Prerequisites for admis	ssion to the exam:				
Academic Achievements							not grade
Other	Cancelled in V	VS 21/22					



Elective modules "Agroeconomic Modelling"

Additional minor specification "Agroeconomic Modelling". Three of the following modules must be selected.

Every module can only be accounted once i.e. either for the Major or Minor Specification.



Partial and General Code: APO-250		Workload (h)	Credits (LP)	Duration (Ser	mesterl	Term
POS: 749242060		180	6,0	1	ilester)	SS
Coordinator	PD Dr. Wolfga		1 0,0			
Lecturers	PD Dr. Wolfgar					
Teaching unit(s)		und Ernährungswissensch	aften			
Usability	Course progra		arteri	Mod	de Stud	dy semester
o submity		ural and Food Economics		F	2.	ay serriester
Learning objectives	With the comp concepts, form policy analysis	oletion of this course, the nulation and interpretatio . Furthermore, they have re capable of independent	n of theory-based p been introduced to	oartial and gener the General Alg	al equilibri ebraic Mo	um models for delling System
Key competences	Conceptualization	tion of market-scale prob	lems, computer pro	gramming, quar	ititative an	alysis of policy
Learning content	3) Key element 4) Flexible funct 5) Modelling in 6) Simulation 6 7) The structur 8) Key element	n to GAMS tility maximization in GAN ts of Multi-Commodity mactional forms and parame enternational trade: point re- exercises of a Social Accounting I ts of Computable General exercises with selected CO	arket models (MCM ter calibration, welf markets, spatial abri unting Matrix Matrix Equilibrium model	fare analysis itrage, Armingto	n approac	h
Language	English					
Recommended knowledge	Module Micro	economics or equivalent				
Prerequisites	none					
Maximum number of students						
Course(s)	Teaching method	Topic		Class size	Contactime pe week	
	L	Partial and General Equ	uilibrium Modeling	20	4,0	180
Examination(s)	Code	Type of examination		Duration of examination	<u> </u>	
	749242067	Term paper		during the s	emster	graded
Academic Achievements						not graded
Other						



Code: APO-220		Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749242020		180	6,0	1	,	WS			
Coordinator	PD Dr. Wolfga	ng Britz			•				
Lecturers	PD Dr. Wolfga	ng Britz							
Teaching unit(s)	_	und Ernährungswissensch	aften						
Usability	Course progra	m		Mod	de Stud	ly semester			
•	M.Sc. Agriculti	ural and Food Economics		E	3.	-			
earning objectives	With the completion of this course, students have acquired experience in development, application								
	and scenario analysis with a large scale economic modelling system and a self-organized								
	collaborative r	esearch project over seve	eral months.						
Key competences	Self organization of a complex IT and modelling project in group work; documentation of project and								
	code; data management (download from portals, format changes, appropriate aggregation); analysi								
	and presentation of quantiative results								
earning content	The students of	develop several competing	g ideas for an econor	mic problem to	be analyze	d with a			
	market-scale economic simulation model as a joint project during the course. They decide which of								
	the competing problems to analyze. They organize a time-line for the chosen project including tasks								
	and deliverables and define sub-groups (e.g. related to project coordination, literature research, data								
	acquisition, coding, reporting and documentation). They perform the planned project in sub-groups,								
	meeet regularly to monitor project progress and revise their project as needed. They present their								
	findings in a presentation with a follow-up discussion and write a report of about 30 pages which summarizes their project. The lecturer will moderate the process and help with technical issues.								
		eir project. The lecturer v	vill moderate the pro	ocess and help	with techni	cal issues.			
Language	English								
Recommended	Module APO-2	210 or equivalent knowled	lge						
knowledge									
Prerequisites	none								
Maximum number of									
students									
Course(s)	Teaching	Topic		Class size	Contact	: Workload			
	method				time pe	r [h]			
					week				
	Proj	Applied Modelling of A	gricultural Systems	20	4,0	180			
Examination(s)	Code	Type of examination		Duration of					
				examinatio	1				
	749242028	Report (presentation)	50%]	during the s		graded			
	749242027	Report [50%]		during the s	graded				
	7 .52 .2527	Report [50%]				gradea			
	7 102 12027	Report [50%]				not grade			
Academic Achievements	7,02,202	Report [50%]							



Advanced Applied I	Econometrics									
Code: APO-230		Workload (h)	Credits (LP)	Duratio	n (Semester	·) T	erm			
POS: 749242010		180	6,0	1		S	S			
Coordinator	Prof. Dr. Thom	nas Heckelei								
Lecturers	An N.Q. Cao									
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissenscl	naften							
Usability	Course progra				Mode	Study	semester			
	M.Sc. Agricult	ural and Food Economics			E	2.				
	_	M.Sc. Agricultural Science and Resource Management in the Tropics O and Subtropics (ARTS)								
Learning objectives			lecting and applyin	g economet	ric methods	to est	imate			
	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									
	· •	uts from econometric so		,	,					
Key competences				antitative an	alvsis:					
Learning content		Quantitative analysis; Competence in software use for quantitative analysis; 1) Review General Linear Model and OLS								
0	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	English									
Recommended	none									
knowledge										
Prerequisites	Passed exam i	n module BAS-110								
Maximum number of										
students										
Course(s)	Teaching	Topic		Class	size Co	ntact	Workload			
	method				tim	e per	[h]			
					W	eek				
	L	Advanced Applied Eco	nometrics	20) :	3,0	120			
	Т	Advanced Applied Eco	nometrics	20		L , 0	60			
Examination(s)	Code	Type of examination		Durati	on of					
				examir	nation					
	749242019	Assignment		during	the semste	r	graded			
Academic							not graded			
Achievements										
Other										



Bio-economic mode Code: ENV-240		Workload (h)	Credits (LP)	Duration (Ser	mester)	Term				
POS: 749222050		180	6,0	1	,	WS				
Coordinator	PD Dr. Wolfga	ng Britz		.	L					
Lecturers	PD Dr. Wolfga	ng Britz								
Teaching unit(s)		und Ernährungswissensch	aften							
Usability	Course progra	m		Mod	de Stud	y semester				
	M.Sc. Agricult	ural and Food Economics		E	3.					
Learning objectives	With the comp	oletion of this course, the	students have acq	uired advanced c	ompetence	in the				
	concepts, forn	concepts, formulation and interpretation of farm-scale bio-economic programming approaches.								
	Furthermore,	Furthermore, they have been introduced to the General Algebraic Modelling System (GAMS) and are								
	capable of independently modifying farm-scale economic simulation models in this modelling									
	language.									
Key competences	Conceptualiza	tion of bio-economic farm	-scale problems, c	computer progran	nming, syste	ems thinking,				
	analysis of pro	inalysis of programming models								
Learning content	Basics of linear and mixed-integer linear programming, programming solutions to farm scale									
	problems related to (1) branch management (crop and feed mix optimization, herd dynamics,									
	resource use), (2) environmental indicators and related policy instruments, (3) investment and									
	financing, (4) risk and risk behavior, (5) dynamic stochastics aspects.									
Language	English									
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of										
students										
Course(s)	Teaching	Topic		Class size	Contact	Workload				
	method				time per	[h]				
					week					
	L	Modelling of Dynamic A	Agri-ecological	15	4,0	180				
		systems								
Examination(s)	Code	Type of examination		Duration of						
				examination	า					
	749222059	Term paper		during the s	emster	graded				
Academic						not gradeo				
Achievements										
Other						•				



Elective modules "Development Economics"

Additional minor specification "Development Economics". Three of the following modules must be selected.

Every module can only be accounted once i.e. either for the Major or Minor Specification.



	omics	1		1						
Code: APO-240		Workload (h)	Credits (LP)		(Semester)	Term				
POS: 749242040	Duef Du Medi	180	6,0	1		SS				
Coordinator	Prof. Dr. Mati	-1-								
Lecturers		n Qaim; PD Dr. Alisher Mi		irlasca						
Teaching unit(s)	_	und Ernährungswissensch	naften	ı						
Usability	Course progra					tudy semester				
	_	ural and Food Economics			E 2.					
	M.Sc. Agricultural Science and Resource Management in the Tropics E 2. and Subtropics (ARTS)									
Learning chiestives			course students wi	Il have an ove	orviou on oc	contial theorie				
Learning objectives	With the successful completion of the course, students will have an overview on essential theories o									
		economic development and understand their practical relevance for developing countries. Moreove								
		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		ase study approach to analysis								
Learning content		Pevelopment: Definitions	and measurement	concents						
Learning content	•	•		•	ges of Econo	mic Growth				
	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									
	· ·									
	oj Quantitativ	i) Quantitative Analysis of Development Policy								
Language		e Analysis of Developmen								
Language Recommended	English		t Policy							
Recommended	English	e Analysis of Developmen economics or similar kno	t Policy							
	English		t Policy							
Recommended knowledge Prerequisites	English Module Micro		t Policy							
Recommended knowledge Prerequisites Maximum number of	English Module Micro		t Policy							
Recommended knowledge Prerequisites Maximum number of students	English Module Micro		t Policy	Class s	size Cont	act Workl				
Recommended knowledge Prerequisites Maximum number of students	English Module Micro	economics or similar kno	t Policy	Class s	size Cont time					
Recommended knowledge Prerequisites Maximum number of students	English Module Micro none Teaching	economics or similar kno	t Policy	Class s		per [h]				
Recommended knowledge Prerequisites Maximum number of students	English Module Micro none Teaching	economics or similar kno	wledge	Class s	time wee	per [h] ek				
Recommended knowledge Prerequisites Maximum number of students	English Module Micro none Teaching method	reconomics or similar kno	wledge ics		time wee	per [h] ek) 90				
Recommended knowledge Prerequisites Maximum number of students Course(s)	English Module Micro none Teaching method	Topic Development Economi	wledge ics	20	time wee 2,0 2,0	per [h] ek) 90				
Recommended knowledge Prerequisites Maximum number of students Course(s)	English Module Micro none Teaching method L T	Topic Development Economi Development Economi	wledge ics	20 20	time wee 2,0 2,0 on of	per [h] ek) 90				
Recommended knowledge Prerequisites Maximum number of students Course(s)	English Module Micro none Teaching method L T	Topic Development Economi Development Economi	wledge ics	20 20 Duratio	time wee 2,0 2,0 on of ation	per [h] ek) 90				
Recommended knowledge Prerequisites Maximum number of students Course(s) Examination(s)	English Module Micro none Teaching method L T Code	Topic Development Economi Development Economi Type of examination	wledge ics	20 20 Duratio examin	time wee 2,0 2,0 on of ation	per [h] ek 0 90 0 90				
Recommended knowledge	English Module Micro none Teaching method L T Code	Topic Development Economi Development Economi Type of examination	wledge ics	20 20 Duratio examin	time wee 2,0 2,0 on of ation	per [h] ek 0 90 0 90 graded				
Recommended knowledge Prerequisites Maximum number of students Course(s) Examination(s)	English Module Micro none Teaching method L T Code	Topic Development Economi Development Economi Type of examination	wledge ics	20 20 Duratio examin	time wee 2,0 2,0 on of ation	per [h] ek 0 90 0 90 graded				



Code: ENV-130	of conservatio	Workload (h)	Credits (LP)	Duration	(Semester)	Term				
POS: 749222040		180	6,0	1	(000010.)	SS				
Coordinator	Prof. Dr. Jan B	örner	- / -	L						
Lecturers	Prof. Dr. Jan B	örner								
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	naften							
Usability	Course progra			1	Mode St	udy sem	ester			
,		ural and Food Economics		1						
	M.Sc. Agricultural Science and Resource Management in the Tropics E 2.									
	and Subtropic	and Subtropics (ARTS)								
Learning objectives	The course wi	II introduce concepts and	quantitative techni	ques to evalu	ate impacts	of conse	ervation			
	measures, such as payments for environmental services, integrated conservation and development									
	projects, and t	projects, and the enforcement of regulatory policies.								
Key competences	- Understandii	ng the differences betwee	en state-of-the-art e	evaluation me	ethods					
	- Ability to inte	- Ability to interpret results in diverse intervention contexts with a focus on tropical country								
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; Cas studies of conservation initiatives; Application of key methods to selected cases.									
		servation initiatives; Appl	lication of key meth	ods to selecte	ed cases.					
Language	English									
Recommended	Basic knowled	ge of microeconomics an	d statistics							
knowledge										
Prerequisites	none									
Maximum number of										
students Course(s)	Teaching	Topic		Class si	ze Conta	ct M	Vorkload			
Course(s)	method	Торіс		Class SI			vorkioad [h]			
	method				time p		ניין			
	1	Resource and Environr	mental Fconomics	15	2,0		90			
	T T	Resource and Environr		15	2,0		90			
Examination(s)	Code	Type of examination		Duration						
		, ype or examination		examina						
	749222047	Assignment			ne semster	gr	aded			
Academic		10					t gradec			
							J30			
Achievements										
Achievements										
Achievements										



Rural Development Code: APO-130		Workload (h)	Credits (LP)	Duration /	Samastarl	Term				
POS: 749242070		Workload (h) 180	6,0	Duration (semester)	WS				
Coordinator	Prof. Dr. Jan B	L	0,0	+		VV3				
Lecturers		Nshakira Rukundo								
Teaching unit(s)		und Ernährungswissensc	hafton							
Usability	Course progra		ilaiteii	Λ.	1ode Stu	ıdy comocto				
Osability		ural and Food Economics	-	E	1./	udy semeste	-			
	_					э.				
	M.Sc. Agricultural Science and Resource Management in the Tropics C 1. and Subtropics (ARTS)									
Learning objectives		oe familiar with the theo	retical and methodo	nlogical hasics	of Rural Dev	elonment T	hev			
Learning objectives				-			···c y			
	gain knowledge on phenomena and strategies at the micro and the macro level, the structure, function and change of rural development and an understanding of the process of change in the									
	agricultural sector and in rural areas of developing countries; they obtain the ability to define needs									
	of rural development and related strategies.									
Key competences		retation and Evaluation of English text material; Visualization in brainstorming and mind								
, ,	-	pping-procedures								
Learning content	Fields of research, concepts and indicators of rural development processes, stakeholder analysis and									
	participation,	participation, phenomena of rural development (networks, globalization, migration, poverty,								
	urbanization).									
	Theory of rural development, prerequisists and difficulties, analysis of stakeholders, social structures									
	of farming systems, social security systems, cooperatives, farmers associations and MFIs in									
		untries, agricultural refo	rms in selected cour	ntries.						
Language	English									
Recommended	none									
knowledge										
Prerequisites	none									
Maximum number of										
students						<u> </u>				
Course(s)	Teaching	Topic		Class siz						
	method				time p		1]			
					wee	I				
	L	Agricultural and Food		25	1,3	60				
	T	Agricultural and Food	Economics	25	2,7	12	.0			
Examination(s)	Code	Type of examination		Duration						
				examinat	ion					
	749242079	Written exam		100 min		gradeo				
Academic						not gra	ade			
Achievements										
Other										



Research Seminars

Compulsory Research Seminar with a total of 6 ECTS-CP.



Code: ABS-330		Workload (h)	Credits (LP)	Duration (Ser	nester)	Term				
POS: 749313010		180	6,0	1	ŕ	WS/SS				
Coordinator	Dr. Carolin Kar	mrath		•						
Lecturers	; Dr. Carolin Ka	amrath								
Teaching unit(s)										
Usability	Course progra	m		Mod	le Stuc	ly semester				
	M.Sc. Agricult	ural and Food Economics		E	3.					
Learning objectives	After a success	sful completion of the cou	irse, the students h	nave conceptualiz	ed their M	aster thesis				
	_	including the description of the problem background with a preliminary literature review, the								
		ntification of the research question, the intended methodology, work plan and expected r								
Key competences	Scientific conc	c conceptualizing and writing; scientific verbal communication								
Learning content		erature studies, preparation of a research concept and a proposal, presentations of the state of								
		art in a thematic field which is close to the research question; scientific discussion								
Language	English	ish								
Recommended	none									
knowledge										
Prerequisites	48 ECTS-CP									
Maximum number of students										
Course(s)	Teaching	Topic		Class size	Contact	Workload				
	method				time pe week	r [h]				
	S*	Agribusiness		15	2,0	180				
Examination(s)	Code	Type of examination		Duration of examination	1					
	749313017	Report (presentation)		during the s	emster	graded				
Academic		· ·				not graded				
Achievements										



Code: ENV-330		Workload (h)	Credits (LP)	Duration (Se	mester)	Term			
POS: 749323010		180	6,0	1	,	WS/SS			
Coordinator	Prof. Dr. Jan B	örner	•						
Lecturers	Prof. Dr. Jan B	örner							
Teaching unit(s)	Agrar-, Forst- ı	und Ernährungswissenscha	aften						
Usability	Course progra	m		Mod	de Stud	y semester			
	M.Sc. Agricultural and Food Economics E 3.								
Learning objectives	including the o	er a successful completion of the course, the students have conceptualized their Master thesi luding the description of the problem background with a preliminary literature review, the entification of the research question, the intended methodology, work plan and expected results.							
Key competences	Scientific conc	eptualizing and writing; so	ientific verbal com	munication					
Learning content		ature studies, preparation of a research concept and a proposal, presentations of the state of irt in a thematic field which is close to the research question; scientific discussion							
Language	English								
Recommended knowledge	none								
Prerequisites	48 ECTS-CP								
Maximum number of students									
Course(s)	Teaching method	Topic		Class size	Contact time per week	Workload [h]			
	S*	Resource and Environm	ental Economics	15	1,0	180			
Examination(s)	Code	Type of examination		Duration of examination					
	749323017	Term paper [60%]		during the s	emster	graded			
	749323016	Presentation [40%]		during the s	emster	graded			
Academic						not graded			
Achievements									



Code: MAC-330		Workload (h)	Credits (LP)	Duration (Sen	-	Term			
POS: 749333010	T	180	6,0	1		WS/SS			
Coordinator	Prof. Dr. Moni	ika Hartmann							
Lecturers	Prof. Dr. Mon								
Teaching unit(s)		und Ernährungswissenscha	aften		1				
Usability	Course progra			Mod	e Stud	y semester			
		ural and Food Economics		E	3.				
Learning objectives		sful completion of the cou	•	•					
	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.								
					in and expe	ected results.			
Key competences		ceptualizing and writing; sc							
Learning content		dies, preparation of a resea				the state of			
		art in a thematic field which is close to the research question; scientific discussion							
Language	English								
Recommended	none	e							
knowledge									
Prerequisites	48 ECTS-CP								
Maximum number of									
students	_			1 .	1	1			
Course(s)	Teaching	Topic		Class size	Contact				
	method				time per	[h]			
	C.*	1.4 1		15	week	100			
	S*	Market and Consumer I	Research	15	2,0	180			
Examination(s)	Code	Type of examination		Duration of					
	740222240	T [C70/]		examination					
	749333019	Term paper [67%]		during the se	emster	graded			
		Durana sudaita a fan a duria							
		Prerequisites for admiss	sion to the exam:						
	740222010	regular participation		dumina a Aba a a					
	749333018	Presentation [33%]		during the se	emster	graded			
		Prerequisites for admiss	sion to the evam:						
		regular participation	Sion to the exam.						
		regular participation							
Academic	+					not graded			
,						not gradet			
Achievements						I			
Achievements									
Achievements									



Code: APO-330		Workload (h)	Credits (LP)	Duration (Sen		Term			
POS: 749343010		180	6,0	1		WS/SS			
Coordinator	Prof. Dr. Thom	nas Heckelei							
Lecturers	Dr. Yaghoob Ja								
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissenscha	aften						
Usability	Course progra			Mod	e Stud	y semester			
		ural and Food Economics		E	3.				
Learning objectives		sful completion of the cou	·	•					
	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.								
					in and exp	ected results.			
Key competences		eptualizing and writing; so							
Learning content		dies, preparation of a resea	•			the state of			
		art in a thematic field which is close to the research question; scientific discussion							
Language	English								
Recommended	none	e							
knowledge									
Prerequisites	48 ECTS-CP								
Maximum number of									
students		T		T		1			
Course(s)	Teaching	Topic		Class size	Contact				
	method				time per	[h]			
	C*	A sui sultured and Davide	nancant Daline	15	week	100			
F	S*	Agricultural and Develo	pment Policy	15	2,0	180			
Examination(s)	Code	Type of examination		Duration of					
	749343019	Torm nonor [C70/]		examination during the semster		aradad			
	749343019	Term paper [67%]		during the se	emster	graded			
		Prerequisites for admiss	cian to the avam:						
		regular participation	sion to the exam:						
	749343018	Presentation [33%]		during the se	amstar	graded			
	749343016	Fresentation [55%]		during the se	emster	graueu			
		Prerequisites for admiss	sion to the exam:						
		regular participation	Sion to the exam.						
		regular participation							
Academic						not graded			
Achievements									



Free elective modules

A maximum of 12 ECTS-CP.



Code: ILR-01		١	Workload (h)	Credits (LP)	Duratio	n (Semester) T	erm
POS: 749301010		1	180	6,0	1		V	/S/SS
Coordinator	Dr. Nicolas Ge	rber					·	
Lecturers	Dr. Nicolas Ge	rber						
Teaching unit(s)	Agrar-, Forst-	und Ernähi	rungswissenscha	ften				
Usability	Course progra					Mode	Study	semester
·			ood Economics				24.	
Learning objectives	develop profe	ssional skil	ls. Aditionally st	he students acadudents broaden the of agricultural an	heir scope fo	or future wo		
Key competences			_	ne professional wo ls, enhanced refle		•	-	-
Learning content	professional si internship into university. It c governmental class.	kills better cudes a mir can be perf	and to work ind nimum of four w ormed at resear	kills acquired duri ependently and e eeks of full time v ch institutes, priva o is completed by	xpand the p vork in a releate compani	rofessional evant field o es or goverr	netwo utside iment	rk.The the al and non-
Language	German/Engli	sh						
Recommended	none							
knowledge								
Prerequisites	none							
Maximum number of students								
Course(s)	Teaching method	Topic			Class	time	itact e per eek	Workload [h]
	*	Internsh econom	nip in agricultura nics	l and food				160
Examination(s)	Code	Type of	examination		Durati examir			
		none						
Academic Achievements	- minimum of - internship re			rk in a relevant fie	eld outside t	he university	/	not grade
Other	to the starting	date		e students and aut	•		ip coo	 rdinator prid



Masterthesis

The masterthesis credits 30 ECTS-CP.



Masterthesis									
Code: M-401		Workload (h)	Credits (LP)	Duration (Ser	nester)	Term			
POS: 8900		900	30,0	1		WS/SS			
Coordinator	NN								
Lecturers	Alle Lehrende	n der Lehreinheit							
Teaching unit(s)	Agrar-, Forst-	und Ernährungswissensch	aften						
Usability	Course progra	am		Mod	le Stu	dy semester			
	M.Sc. Agricult	cural and Food Economics		С	4.				
Learning objectives	Details are sp	dependent work on a research project in the field of the teaching units within a given time fra tails are specified in the examination regulation and examination organization regulation railable only in German).							
Key competences	Project work								
Learning content	Task of Maste	f Masterthesis							
Language	German/Engli								
Recommended	none								
knowledge									
Prerequisites	_	in either ABS-330 or ENV-3 pervisor and at least 60CP	30 or MAC-330 or	APO-330 depend	ing on the	teaching unit			
Maximum number of students									
Course(s)	Teaching	Topic		Class size	Contac	t Workload			
	method				time pe week	er [h]			
	MT	Masterthesis				900			
Examination(s)	Code	Type of examination		Duration of examination	1				
	8900	Masterthesis		2 - 6 Months	<u> </u>	graded			
Academic		L				not graded			
Achievements									
Other	•	g time lasts 6 months and on at the examination office		ry of the thesis is	possible 2	months after			