

Applied Modelling of Agricultural Systems					
Code: APO-220 POS: 749242020		Workload (h) 180	Credits (LP) 6	Duration 1	Turnus WS
Coordinator	PD Dr. Wolfgang Britz				
Lecturers	PD Dr. Wolfgang Britz				
Teaching unit(s)	Agrar-, Forst- und Ernährungswissenschaften				
Usability	Course program			Mode	Study semester
	M.Sc. Agricultural and Food Economics			WPF	3.
Learning objectives	With the completion of this course, students have acquired experience in development, application and scenario analysis with a large scale economic modelling system and a self-organized collaborative research project over several months.				
Key competences	Self organization of a complex IT and modeling project in group work; documentation of project and code; data management (download from portals, format changes, appropriate aggregation); analysis and presentation of quantitative results				
Learning content	The students develop several competing ideas for an economic problem to be analyzed 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, meet 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.				
Language	English				
Prerequisites	Module APO-210 or equivalent knowledge				
Maximum number of students					
Courses	Teaching method	Topic	Class size	Contact time per week	Workload [h]
	Ü	Applied Modelling of Agricultural Systems	20	4,0	180
Examination(s)	Code	Type of examination	Duration of examination		
	749242029	Assignments (group work, check for working computer code, sufficient documentation, participation in simulation analysis)	semesterbegleitend		graded
Prerequisites for admission to the exam	none				not graded
Other					

