Module Name	Module Code
Economic and Political Economy Modeling of Public Policies for Sustainable Natural Resource Management	agrarAEF881-01a
Module Coordinator	
Prof. Dr. Marie-Catherine Riekhof	
Organizer	
Institut für Agrarökonomie - Politische Ökonomie des Ressourcenmanagements mit Schwerpunkt auf Meeres- und Küstenressourcen	
Faculty	
Faculty of Agricultural and Nutritional Sciences	
Examination Office	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

ECTS Credits	6
Evaluation	Graded
Duration	one semester
Frequency	Only takes place during summer semesters
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English / German

Module Courses			
Course Type	**Course Name**	**Compulsory/Optional**	**SWS**
Practical exercise	Economic Modeling	Compulsory	
Practical exercise	Political Economy Modeling	Compulsory	

Examination(s)

Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Written Examination: Economic and Political Economy Modeling of Public Policies for Sustainable Natural Resource Management	Written Examination	Graded	Compulsory	100

Further Information on the Examination(s)

Will take place for the last time in the summer semester 2020.
1.+2. period in summer semester
1. period in winter semester
examiner: Prof. Dr. Dr. Christian Henning / Prof. Dr. Marie-Catherine Riekhof
QIS: 76400 with 76410

Course Content

The potential impact of different economic policies is often evaluated with the help of economic models, e.g. computable general equilibrium (CGE) models. Whether a specific policy is implemented does not only depend on its (potential) economic outcome, but also on the specific political process in which public policies are collectively selected. Hence, beyond understanding how policies impact on the economy and society welfare political feasibility includes the understanding of the political decision-making process. The latter is captured by specific political economy models focusing on legislative decision-making, lobbying and election outcomes, respectively.

In this course, we present economic CGE (Computable General Equilibrium Models), political economy models as well as CGPE models (Computable General Political Economy Equilibrium Models) as a combination of both. The course is focused on simple "toy models" in order to foster the understanding of the models' set-up and the mechanisms at work. We will examine how policies impact on different agents economically, how these policy impacts are perceived by corresponding political agents and are translated into final policy choices. Following the classical economic approach, both policy choices and induced policy impacts are model as equilibrium outcomes of individual (expected) utility maximizing actors.

Learning Outcome

Students will
- have a better understanding of the interaction between economic outcomes, political actions and policy choices
- be able to better understand and interpret the outcomes of numerical models
- be able to simulate simple economic and political models on the computer
- have the tools (in terms of code and knowledge) to apply model approaches empirically to real policy problems
- to be able to evaluate and assess relevant economic and political determinants of the political feasibility of efficient public policies

Reading List

D. Mueller (1990): Public Choice II, Persson/ Tabelini (2000), Political Economics: Modeling Economic Policies; Henning et al. (2018): Modeling and Evaluation of Policy Processes in Africa,
François Bourguignon et al. (2008): The Impact of Economic Policies on Poverty and Income Distribution: Evaluation Techniques and Tools. Handbook of CGE Modeling
A classical introduction into CGE modelling is: J.B. Shoven, J. Whalley (1984): Applied general equilibrium models of taxation and international trade, Journal of Economic Literature, 22, 1007-51.
A list with further recommended reading will be distributed at the beginning of the course.

Additional Information

This course has limited capacities: 20 students
Enrolment by OLAT within workdays Monday through Friday in the 1nd week of the 2. audit period of the preceding semester.
last name
first name
striven degree
study program
stu-Email
The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester. Acceptance of the place by students only through participation at the first day of the course. Students without a place can get a place at the first day of the course by move-up procedure.

Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2016)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2015)	Optional	-
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	-