Module Name	Module Code
Economic Aspects of Environmental Management	AEF-EM039
Module Coordinator	
Dr. Tobias Donath	
Organizer	
Institut für Weltwirtschaft	
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

Further Information on the Teaching Language			
english			
Recommended Requirements			
Single variable calculus prerequisites recommended: Statistcs			
Module Courses			
Course Type	**Course Name**	**Compul-sory/Optional**	**SWS**
Lecture	Princinples of Resource Management	Compulsory	2
Lecture	Economics I	Compulsory	2

Examination(s)				
Examination Name	**Type of Examination**	**Evaluation**	**Compulsory / Optional**	**Weighting**
Written Examination: Economic Aspects of Environmental Managements	Written Examination	Graded	Compulsory	100

Further Information on the Examination(s)

1.+2. period in summersemester
1. period in wintersemester

examiner: Prof. Dr. Foders
QIS: 75300 with number of Examination 75310

Course Content

Resource Management: Principles of inter-temporal resource allocation, public and private goods, externalities, property rights, non-market valuation systems, mathematical and statistical modeling of resource use and evaluation, taxes and governmental regulation, design and application of natural resource policies, analysis of the role of international organizations in global resource use and management in the light of climate change. Case studies are used to illustrate the application of theory and policy design to real world resource regimes.

Learning Outcome

Resource Management: Students are familiar with the interactions between ecological and economic systems. They understand the economic approach to the management of renewable and nonrenewable resources as well as the interdependence between different resource uses in the light of climate change. They are able to apply these concepts to the design of integrated resource management policies for sustainable resource use.
Economics: Participants are able to analyze a wide range of issues in microeconomics and to identify economic problems arising on a local, national and global scale and take them into account while designing sustainable management measures for the environment.

Reading List

Conrad, Jon M. (2010), Resource Economics, Cambridge University Press: Cambridge; Neher, Philip A., (1990) Natural Resource Economics, Cambridge University Press: Cambridge; Pindyck, Robert S., Daniel L. Rubinfeld, (2012) Microeconomics, 7th ed., Pearson: Upper Saddle River.

Additional Information

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Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2016)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2015)	Optional	-
Master, 1-Subject, Applied Ecology, (Version 2010)	Optional	-
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2017)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2013)	Optional	-
Master, 1-Subject, Environmental Management - Management of Natural Resources, (Version 2010)	Optional	-
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	-
Master, 1-Subject, Sustainability, Society and the Environment, (Version 2013)	Optional	-