

Module Name	Module Code
Advanced Environmental and Resource Economics	agrarAEF879-01a
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

Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Advanced Environmental and Resource Economics	Compulsory	2
Practical exercise	Advanced Environmental and Resource Economics	Compulsory	2

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Written Examination: Advanced Environmental and Resource Economic	Written Examination	Graded	Compulsory	100
Further Information on the Examination(s)				
1. + 2. period in summer semester 1. period in winter semester examiner: Dr. Marie-Catherine Riekhof QIS: 76200 with number of Examination 76210				

Course Content
<p>Natural resources---like fish, wood, soil, coal---are the base for many economic activities. Some natural resources are renewable, most are exhaustible. In this course, we consider under which conditions long-run growth is possible when resources are non-renewable and exhaustible. We also consider the management of renewable resources and different management options, and we discuss why so many are consider over-used.</p> <p>We will apply basic economic concepts of natural resource management and develop simple bio-economic models. In addition, the students will use simple computer code in matlab or R to simulate the developed models and discuss the results.</p>
Learning Outcome
<p>Students will</p> <ul style="list-style-type: none"> • be able to apply basic economic concepts to the management of natural resources • be able to simulate simple bio-economic models on the computer and evaluate outcomes • develop methodological skills to examine the intertemporal problems of natural resource management
Reading List
<p>Conrad, J. M.(2011): Resource Economics, Second edition, Cambridge University Press, Cambridge,U.K. A list with further recommended reading will be distributed at the beginning of the course.</p>
Additional Information
<p>Basic introduction into R or matlab in order to understand the code used in the course. Course restricted to 20 [based on available space in computer lab] participants Enrollment by OLAT within workdays Monday through Friday in the 1nd week of the 2. audit period of the preceding semester. Following information is necessary: matriculation number last name first name striven degree study program stu-Email</p> <p>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. Students who successfully participated in "Environmental Economics" will be preferred.</p>

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, 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	-