

<b>Module Name</b>	<b>Module Code</b>
Advanced Environmental and Resource Economics	agrarAEF879-01a
<b>Module Coordinator</b>	
Prof. Dr. Marie-Catherine Riekhof	
<b>Organizer</b>	
Institut für Agrarökonomie - Politische Ökonomie des Ressourcenmanagements mit Schwerpunkt auf Meeres- und Küstenressourcen	
<b>Faculty</b>	
Faculty of Agricultural and Nutritional Sciences	
<b>Examination Office</b>	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

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

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

<b>Examination(s)</b>				
<b>Examination Name</b>	<b>Type of Examination</b>	<b>Evaluation</b>	<b>Compulsory / Optional</b>	<b>Weighting</b>
Written Examination: Advanced Environmental and Resource Economic	Written Examination	Graded	Compulsory	100
<b>Further Information on the Examination(s)</b>				
<b>Will take place for the last time in the summer semester 2020.</b> 1. + 2. period in summer semester 1. period in winter semester examiner: Dr. Marie-Catherine Riekhof QIS: 76200 with number of Examination 76210				

<b>Course Content</b>
<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>
<b>Learning Outcome</b>
<p>Students will</p> <ul style="list-style-type: none"> <li>• be able to apply basic economic concepts to the management of natural resources</li> <li>• be able to simulate simple bio-economic models on the computer and evaluate outcomes</li> <li>• develop methodological skills to examine the intertemporal problems of natural resource management</li> </ul>
<b>Reading List</b>
<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>
<b>Additional Information</b>
<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	-