

Module Name	Module Code
Sustainable Approaches in Environmental Management	EMAEF050-01a
Module Coordinator	
Prof. Dr. Nicola Fohrer	
Organizer	
Institute for Natural Resource Conservation - Hydrology and Water Resources Management	
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 winter semesters
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	German

Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Sustainable Approaches in Environmental Management	Compulsory	2
Seminar	Sustainable Approaches in Environmental Management	Compulsory	2

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Seminar Paper with Assignment: Sustainable Approaches in Environmental Management	Seminar Course-work	Graded	Compulsory	100
Further Information on the Examination(s)				
1. + 2. period in winter semester 1. period in summer semester examiner: Dr. Donath, Dr. Ulrich QIS:72600 with number of Examination 72610				

Course Content
<p>The module is a lecture series introducing several concepts and indicators for sustainability which are then deepened in the seminar. Among others these are:</p> <ul style="list-style-type: none"> • Sustainable Development Goals of UN • Water Energy-Food Nexus approach • Planetary Boundary Conditions • Concept of Ecosystem Services • Driver-Pressure-State-Impact-Response (DPSIR) Concept • Different types of "footprints" • Participatory Approach, Empowerment, Capacity Building
Learning Outcome
<p>As base of the Master Programme relevant approaches/concepts of sustainability are intruded to the students to provide a "toolbox". Besides the transfer and expertise, students learn to apply these concepts in different set-ups and grasp weakness, strenghts and applicability of the singel concepts. Finally, they are able to choose the most proper concept for a given evaluation.</p>
Reading List
<p>https://www.un.org/sustainabledevelopment/www.fao.org/3/a-bl496e.pdf Planetary Boundaries: Rockstrom, Johan; et al. (2009). "Planetary Boundaries: Exploring the Safe Operating Space for Humanity". Ecology and Society. 14 (2). doi:10.5751/ES-03180-140232 Brundtland Report: https://www.sustainabledevelopment2015.org/AdvocacyToolkit/index.php/earth-summit-history/historical-documents/92-our-common-future Karsten Grunewald/Olaf Bastian (Editors) 2015: Ecosystem Services – Concept, Methods and Case Studies, Springer</p> <p>Negotiation and mediation techniques for natural resource management, FAO, Engel & Korf, 2005 http://www.fao.org/3/a-ai052e.pdf</p>
Additional Information
<p>The number of participants is limited to 25. 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. Due to scientitic direktion of the module, students of Envionmental Management, Sustainability, Society master programs and the Environment, Applied Ecology have priority. Vacant places are provides to students from other study programmms.</p>

Use	Compulsory / Optional	Semester
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Compulsory	-
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Compulsory	-
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Compulsory	-
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Compulsory	-
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Compulsory	-
Master, 1-Subject, Environmental Management, Double-Degree-Agreement with Adam-Mickiewicz-University, Polen (UAM), (Version 2020)	Compulsory	-
Master, 1-Subject, Environmental Management, Double-Degree-Agreement with Irkutsk State University, Russland (ISU), (Version 2020)	Compulsory	-
Master, 1-Subject, Environmental Management, (Version 2020)	Compulsory	-
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Compulsory	-
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Compulsory	-