

Module Name		Module Code	
Sustainable Approaches in Environmental Management		EMAEF050-01a	
Module Coordinator			
Prof. Dr. Nicola Fohrer			
Organizer			
Institute for Natural Resource Conservation			
Faculty			
Faculty of Agricultural and Nutritional Sciences			
Examination Office			
Faculty of Agricultural and Nutritional Sciences - Examination Office			
ECTS Credits	6		
Evaluation	Graded		
Duration	1 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	English		
Recommended Requirements			
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
Prerequisites for Admission to the Examination(s)			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Sustainable Approaches in Environmental Management	Seminar Coursework	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2 . period in winter semester 1. period summer semester QIS: 72600 PL 72610				
Course Content				
The module is a lecture series introducing several concepts and indicators for sustainability which are then deepened in the seminar. Among others these are: <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				
As base of the Master Programme relevant approaches/concepts of sustainability are introduced to the students to provide a “toolbox”. Besides the transfer of expertise, students learn to apply these concepts in different set-ups and grasp weaknesses, strengths and applicability of the single concepts. Finally, they are able to choose the most proper concept for a given evaluation.				
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 Negotiation and mediation techniques for natural resource management, FAO, Engel & Korf, 2005 http://www.fao.org/3/a-ai052e.pdf </p>				
Additional Information				
Maximum number of participants: 25 Due to scientific direction of the module, students of Environmental Management, Sustainability, Society and the Environment, Applied Ecology have priority. Vacant places are provided to students from other master programs.				