

Module Name	Module Code
Interdisciplinary Lectures on Sustainability	EMAEF046-01a
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	1 Semester
Frequency	Takes place every semester
Workload per ECTS Credit	30 Hours
Total Workload	180 Hours
Contact Time	60 hours
Independent Study	120 hours

Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Interdisciplinary Lectures on Sustainability	Compulsory	2
Seminar	Practical application of theoretical concepts	Compulsory	1
Field trip	Interdisciplinary concepts for sustainable solutions in the area of water, waste, land use and energy management	Compulsory	1
Further Information on the Courses			
Block course in July and February			

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Protocol: Interdisciplinary Lectures on Sustainability	Protocol	Graded	Compulsory	100
Further Information on the Examination(s)				
1. + 2. Period in Summer Semester 1. + 2. Period in Winter Semester examiner: Dr. Nicola Fohrer, Dr. Daniel Rosado Qis 79500 with examination number: 79510				

Course Content
Principles of waste management, water management, sustainable energy and land use in urban and rural areas, assessment of sustainable concepts in developed and developing countries, analysis of pressures, impacts and development of mitigation strategies
Learning Outcome
The student is capable of: Identifying of environmental pressures and challenges in both developed and developing countries. Classifying different tools to prevent impact to the environment. Evaluating advantages and disadvantages of the techniques available to reduce environmental impacts. Discussing environmental management strategies according in worldwide scenario.s
Reading List
Baniotopoulos, C. (2011): Environmental Wind Engineering and Design of Wind Energy Structures CISM Udine ISBN 978-3-7091-0953-3 Black, W.R. (2010): Sustainable transportation: problems and solutions. Guilford Press ISBN 978-1606-23485-3 Brannstrom, C., Vadjunec, J.M. (2013): Land change science, political ecology, and sustainability: synergies and divergences. Routledge ISBN 978-0-415-54023-0 Islam, S., Lawrence, E.S. (2013): Water diplomacy: a negotiated approach to managing complex water networks. RFF Press ISBN 978-1-61726-103-9 Kuo, W. (2014): Critical reflections on nuclear and renewable energy: environmental protection and safety in the wake of the Fukushima Nuclear Accident. Scrivener Publishing ISBN 978-1-118-77374-1. Meyers, R. A. (2012): Encyclopedia of sustainability science and technology. Springer ISBN 978-14419-0851-3 Munné, A., Ginebreda, A., Prat, N. (2016): Experiences from ground, coastal and transitional water quality monitoring. Springer ISBN 978-3-319-23903-3 Pfafflin, J.R. (1998): Encyclopedia of environmental science and engineering. Gordon and Breach ISBN 90-5699-636-3 Svoboda, T. (2017): The ethics of climate engineering: solar radiation management and non-ideal justice. Taylor & Francis Group ISBN 978-1-138-20483

Additional Information

Maximum number of participants: 5

Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester. Following information is necessary:

last name

first name

striven degree

study program

stu-mail

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

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, Environmental Management, (Version 2017)	Optional	-
Master, 1-Subject, Environmental Management, (Version 2013)	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	-