

Module Name	Module Code
Marine an Coastal Ecosystems II	EMAEF044-01a
Module Coordinator	
Prof. Dr. Karen Helen Wiltshire	
Organizer	
Alfred Wegener Institut	
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

Module Courses			
Course Type	Course Name	Compulsory/Optional	SWS
Lecture	Marine an Coastal Ecosystems II	Compulsory	2
Exercise	Marine an Coastal Ecosystems II	Compulsory	2

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Seminar Paper with Assignment: Marine an Coastal Ecosystems II	Seminar Course-work	Graded	Compulsory	100
Further Information on the Examination(s)				
1.+2. period in winter semester Prof. Dr. Karen Wiltshire QIS-number 79300 with exam 79310				

Course Content
<ul style="list-style-type: none"> • Advanced lectures on ecology of coastal and marine areas • Advanced lectures on ecosystem services and human- nature interactions • Own projects on ecosystem analysis and experiments • Own projects on ecosystem modelling • Environmental Debate
Learning Outcome
<p>During this course students have attended advanced lectures and practical exercises. They have carried out own tasks, learned to discuss system boundary conditions and present their results in a small oral power point presentation. They will be introduced to ecosystem models for describing status of ecosystems, ecosystem services and for small field experiments. The advanced studies enable them to use a holistic ecosystem approach not only in marine and coastal systems but also in other fields of ecology.</p>
Reading List
<p>Marine ecology: processes, systems and impacts/ M.J. Kaiser et al., 2nd edition, 2011, Oxford University Press</p> <p>Network analysis in Marine Ecology, Methods and Applications/ F. Wulff, J.G. Field, K.H.Mann (Eds.), Springer, 1989</p> <p>Marine ecology: processes, systems and impacts/ M.J. Kaiser et al., 2nd edition, 2011</p> <p>Network analysis in Marine Ecology, Methods and Applications/ F. Wulff, J.G. Field, K.H.Mann (Eds.), Springer, 1989</p>
Additional Information
<p>The successful participation of the module "Marine and Coastal Ecosystems I" from the summer semester is required for the attendance of this module.</p> <p>Maximum number of participants: 20</p> <p>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.</p> <p>Enrollment by OLAT within workdays Monday through Friday in the 1st week of the 2. audit period of the preceding semester.</p> <p>Following information is necessary:</p> <p>matriculation number</p> <p>last name</p> <p>first name</p> <p>striven degree</p> <p>study program</p> <p>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.</p>

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	-