

Module Name	Module Code
Marine an Coastal Ecosystems I	EMAEF043-01a
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 summer semesters
Workload per ECTS Credit	30 hours
Total Workload	180 hours
Contact Time	60 hours
Independent Study	120 hours
Teaching Language	English

Module Courses			
Course Type	Course Name	Compul- sory/Optional	SWS
Field trip	Marine an Coastal Ecosystems I	Compulsory	1
Lecture	Marine an Coastal Ecosystems I	Compulsory	2
Exercise	Marine an Coastal Ecosystems I	Compulsory	1

Examination(s)				
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting
Seminar Paper with Assignment: Marine and Coastal Ecosystems I	Seminar Course-work	Graded	Compulsory	100
Further Information on the Examination(s)				
<u>Because of the corona epidemic, the module will take place once in November 2020</u>				
1+2 period in summer semester				
1. period in winter semester				
Examiner: Prof. Dr. Karen Wiltshire				
QIS-number 79200 with exam 79210				

Course Content
<p>Excursions to the main different marine and coastal ecosystems of the North Sea and learning field sampling of the main ecosystem parameters.</p> <p>Ship Cruises with Research vessel Mya II to learn oceanographic methods important for ecosystem analysis</p> <p>Teaching of laboratory methods of measuring ecosystem relevant parameters</p> <p>Background lectures on ecology of coastal areas</p> <p>Background lectures on ecological modelling</p> <p>Background lectures on ecosystem services and human nature interactions</p> <p>Give a literature overview on the theme</p>
Learning Outcome
<p>During this course the participant has attended field excursions introduction lectures and practical exercises by analysing samples or measuring parameters</p> <p>This course is a starter course in Marine Ecology. After absolving this course interested students can continue their interest and deepen their knowledge in an advanced course in winter semester.</p>
Reading List
<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><u>Because of the corona epidemic, the module will take place once in November 2020</u></p> <p>6 blocked days during lecture period</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	-