

<b>Module Name</b>	<b>Module Code</b>
Coastal & Marine Ecosystems - Field Studies	AEF-EM012
<b>Module Coordinator</b>	
Dr. agr. Wilhelm Windhorst	
<b>Organizer</b>	
Institute for Natural Resource Conservation - Ecosystem Management	
<b>Faculty</b>	
Faculty of Agricultural and Nutritional Sciences	
<b>Examination Office</b>	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

<b>ECTS Credits</b>	6
<b>Evaluation</b>	Graded
<b>Duration</b>	ein Semester
<b>Frequency</b>	Only takes place during summer semesters
<b>Workload per ECTS Credit</b>	30 hours
<b>Total Workload</b>	180 hours
<b>Contact Time</b>	60 hours
<b>Independent Study</b>	120 hours
<b>Teaching Language</b>	English

<b>Recommended Requirements</b>			
Attendance of module S154 or equivalent ecological knowledge acquired previously			
<b>Module Courses</b>			
<b>Course Type</b>	<b>Course Name</b>	<b>Compulsory/Optional</b>	<b>SWS</b>
Exercise	Coastal & Marine Ecosystems - Food Web Analysis&Modelling	Compulsory	2
Lecture	Coastal & Marine Ecosystems - Field Studies	Compulsory	1
Field trip	Coastal & Marine Ecosystems - Excursion	Compulsory	1
<b>Prerequisites for Admission to the Examination(s)</b>			
Regular visits of practical course, field trip and practical Exercises are necessary.			

<b>Examination(s)</b>				
<b>Examination Name</b>	<b>Type of Examination</b>	<b>Evaluation</b>	<b>Compulsory / Optional</b>	<b>Weighting</b>
Protocol: Coastal & Marine Ecosystems - Field Studies	Protocol	Graded	Compulsory	100
<b>Further Information on the Examination(s)</b>				
<p><b>Last time SS 2018</b>            1.+2. period in summersemester            1. period in wintersemester</p> <p>examiner: Dr. Windhorst/PD Dr. Asmus            QIS: 74200 with number of Examination 74210</p>				

<b>Course Content</b>
<p>This module focuses on habitats at of the island of Sylt and includes the ecology of primary producers, invertebrates, fish and sea mammals. An important topic of the field studies is the impact of man-made environmental changes. Students conduct surveys on land as well as at sea.</p>
<b>Learning Outcome</b>
<p>Students are able to measure ecological processes and recognize key ecosystem structures. Students are able to evaluate the potential limits and information value of field data.</p>
<b>Reading List</b>
<p><a href="http://www.waddensea-secretariat.org/QSR">http://www.waddensea-secretariat.org/QSR</a> 2009            # 1) Introduction            # 6) Eutrophication            # 7) introduced species            # 9-14) tidal area            # 18-19) birds            Marencic, H. (ed.) 2009: The Wadden Sea – Protection and Management.            Common Wadden Sea secretary, Wilhelmshaven, Germany.            Reise, K. et al. 2010: The Wadden Sea – A universally Outstanding Tidal Wetland.            Wadden Sea Ecosystem No. 29. Common Wadden Sea Secretariat, Wilhelmshaven, Germany, 7-24.</p>
<b>Additional Information</b>
<p><b>Last time SS 2018</b>            Dr. W. Windhorst            University of Kiel – Institute for Natural Ressource Management            Department of Ecosystem Management            Olshausenstr. 75            24118 Kiel            Germany            Room: 112            Phone: +49 (0) 431/880-4386</p>

<b>Use</b>	<b>Compulsory / Optional</b>	<b>Semester</b>
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2017)	Optional	-
Master, 1-subject, Agricultural Sciences, Agricultural Economics, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Agribusiness, (Version 2017)	Optional	-
Master, 1-subject, Agricultural Sciences, Agribusiness, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2017)	Optional	-
Master, 1-subject, Agricultural Sciences, Crop Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2017)	Optional	-
Master, 1-subject, Agricultural Sciences, Animal Sciences, (Version 2013)	Optional	-
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2017)	Optional	-
Master, 1-subject, Agricultural Sciences, Environmental Sciences, (Version 2013)	Optional	-
Master, 1-subject, Applied Ecology, (Version 2016)	Optional	-
Master, 1-subject, Applied Ecology, (Version 2015)	Optional	-
Master, 1-subject, Applied Ecology, (Version 2010)	Optional	-
Master, 1-subject, Dairy Science, (Version 2017)	Optional	-
Master, 1-subject, Environmental Management, (Version 2017)	Optional	-
Master, 1-subject, Environmental Management, (Version 2013)	Optional	-
Master, 1-subject, Environmental Management - Management of Natural Resources, (Version 2010)	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	-