

- ✓ International course
- ✓ Taught in Englisch
- ✓ Every summer semester
- ✓ Duration: April to August
- ✓ 30 ECTS credits
- ✓ No tuition fee
- ✓ More information:  
[www.icbm.de/studium-und-lehre/international-students/](http://www.icbm.de/studium-und-lehre/international-students/)  
[www.coast.uni-oldenburg.de](http://www.coast.uni-oldenburg.de)

# WADDEN SEA

## DYNAMIC SYSTEM AND NATURE HERITAGE

### ABOUT US

The University of Oldenburg is central in Germany's northwestern region and close to a fascinating and vulnerable coast. This large flat coast is known as the Wadden Sea. The University of Oldenburg has become a hub for interdisciplinary studies on the functioning and the management of the complex socio-ecological Wadden Sea system being a World Nature Heritage Site and a Biosphere Reserve

### PROSPECTIVE STUDENTS

We offer a coherent course to international Master's students who want to contextualise their topical knowledge and to strengthen their interdisciplinary skills bridging science and management.

### ENTRY REQUIREMENTS

Prospective participants are students in environmental or marine sciences or management related Master's programme at one of Oldenburg's ERASMUS+ partner universities. Most of the participants are expected to benefit from ERASMUS+ mobility funds.

### COURSE

The interdisciplinary course comprises compulsory and elective modules for individual specialisation.

The course is offered every summer semester starting in April 2016.

#### COMPULSORY MODULES

##### Module 1:

##### 1<sup>st</sup> part: Programme introduction

- Excursion to the Wadden Sea Island Spiekeroog
- German language course Consolidation of the results from the specialization modules

##### 2<sup>nd</sup> part: Wadden Sea – Programme synopsis

- Programme synopsis Seminar – Synthesis and consolidation of the results
- Seminar - Progress in Wadden Sea research – seminar presentation

##### Module 2:

##### Dynamics of the Wadden Sea World Heritage Site

- Excursion to the Wadden Sea Island Spiekeroog
- Wadden Sea biotopes and nature conservation (German language course)
- Wadden Sea oceanography - Synthesis and consolidation of the results

#### SPECIALIZATION MODULES (Choose one module out of the following)

##### Module 3:

##### Wadden Sea – Sedimentary processes and biodiversity

- Sediment microbiology
- Microbial ecology
- Biological significance of suspended matter
- Consequences of biodiversity change
- Dangerous marine animals: Biology, ecology and first aid
- Microbial excursion or: Excursion to the offshore island of Helgoland

##### Module 4:

##### Wadden Sea – Ecosystem based management

- International research workshop: Water and coastal management
- Economics and climate change
- International environmental management
- Case Studies in Coastal Management
- Nature conservation in practice
- Estuarial Cities: Bremen and the River Weser

