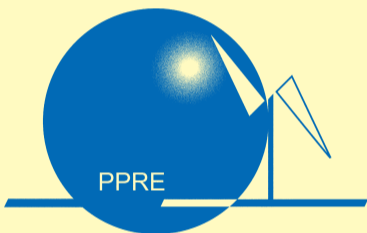


COAST – CENTER FOR ENVIRONMENT AND SUSTAINABILITY RESEARCH

The University of Oldenburg has proven to be one of the leading institutions in environment and sustainability research. The main feature of this research is its transdisciplinarity. It combines natural sciences, social sciences, business sciences and computer sciences with the field of renewable energies and climate, as well as the man-environment relationship, in the coastal region. Five institutes from various disciplines cooperating in teaching and research in the field of Sustainability.



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MASTER CLUSTER

COAST coordinates and arranges various degree programs combined in the MasterCluster. A wide range of master courses are available to applicants who are interested in multidisciplinary education in the field of sustainability sciences. Students enrolled in one of the following master programs can select diverse modules from different academic directions.

- Landscape Ecology (LOEK)
- Postgraduate Program Renewable Energy (PPRE)
- European Renewable Energy Centres (EUREC)
- Sustainability Economics and Management (SEM)
- Environmental Modeling (UMMO)
- Water and Coastal Management (WCM)
- Marine Environmental Sciences (MUWI)
- Business Information Systems – Very large Business Application (VLBA)

For more information see our website: <http://www.coast.uni-oldenburg.de>

M.Sc. LANDSCAPE ECOLOGY

Landscape Ecology delivers the essential ecological foundation for the understanding of the man-environment system. Landscape ecologists analyze matter cycles and mutations in the cycles caused by human beings, evaluate consequences for biodiversity due to changes in the landscape, and develop concepts for an ecologically compatible use of landscapes. The master's program Landscape Ecology teaches theoretical and practical ecology with focus on knowledge of scenic ecosystems in time and space. Functional ecology and landscape ecology, restitution ecology and environmental planning are possible fields for specialization. Group projects dealing with complex problems are an important element in the program.

Admission: Bachelors degree in environmental sciences, ecology land fostering, geography, geocology or agricultural, Minimum grade point average of 2.5 (German grade scaling)

Tuition and fees: 750 Euro/ Term

A two-year degree (4 terms)

M.Sc. POSTGRADUATE PROGRAMME RENEWABLE ENERGY

The three term non-consecutive master's programme (M.Sc., accredited) addresses scientists and engineers particularly from southern countries with a minimum of a seven term B.Sc. degree. The program began 1987. A theoretical and applied introduction to all basic renewable energy systems plays the main role in this program. In addition to a two month practical training in one of various institutions worldwide and a six month master thesis, students work on an energy case study in small workgroups. Through close cooperation with universities, research establishments, institutions of international development cooperation, private businesses and more than 280 alumni from more than 60 countries a professional network has been established.

Admission: Bachelors degree in engineering or natural sciences after a minimum of seven terms

Tuition and fees: 1000 Euro/ Term (no tuition fees for DAAD scholarship holders)

A 16 months degree (3 terms)

M.Sc. EUROPEAN RENEWABLE ENERGY CENTRES

This internationally oriented master's program is organized on an European level by the European Renewable Energy Centres (EUREC) Agency and is currently hosted by 8 universities in 5 European countries. The postgraduate studies (three terms) starts annually in October and consists of three stages: Basics of Renewable Energies (sun, wind, water and biomass) are synchronized offered at the universities in Loughborough (UK, in English), Ecole de Mines (FR, in French), Zaragoza (ES, in Spanish) and in Oldenburg (DE, in English). After an obligatory change of university students specialize in the area of Photovoltaics (U Northumbria, UK), Solar Energy in the Built Environment (U of Athens, GR), Hybrid Systems (U Kassel, DE), Bioenergy (U of Zaragoza, ES) and Wind Energy (Nat Tech U of Athens, GR). At this stage all lectures are held in English. A master thesis project completes the program.

Admission: A B.Sc. degree in engineering or natural sciences

Tuition and fees: 6500 Euro/ Term for students from an EU country, 10000 Euro / Term for students from a non-EU country

A 3 terms degree, each at a different university in Europe

M.A. SUSTAINABILITY ECONOMICS AND MANAGEMENT

The master's program Sustainability Economics and Management (SEM) focuses on management training to deliver solid business knowledge and a survey of fundamental economical and social questions relating to sustainability in companies, government, scientific and international institutions. Specifically, issues relating to environmental and economical resources, as well as business management tactics for handling economic and social problems, are dealt with in the program. With courses in law and natural sciences, in combination with optional modules from other fields (e.g. renewable energies, environmental planning, environmental modeling), it is possible to achieve the desired educational spectrum. The program is internationally integrated with partner universities with similar educational orientations.

Admission: Bachelors degree in business sciences, social sciences, natural sciences, engineering or an equivalent qualification. Basic knowledge of business sciences, approved by each 6 CP in microeconomics, economic policy, business studies and information engineering.

Tuition and fees: 750 Euro/ Term

A two-year degree (4 terms)



Study Sustainability Sciences at the University of Oldenburg in various Master's Programs

UNIVERSITÄT
CARL
VON
OSSIEZKY
OLDENBURG



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M.Sc. ENVIRONMENTAL MODELING

Many activities of environmental monitoring, environmental planning and environmental research deal with huge data sets with high spatial resolution. Meteorological networks, which acquire data in cycles of seconds or minutes in some cases, are clustered in Europe. Policy consultation needs prognoses based on this data. Only the use of complex models and decision supporting systems enables such prognoses. Many programs offer education for data acquisition or data mapping but give less information about how to process and extrapolate the data temporally and spatially. The master's program Environmental Modeling intends to close that gap by combining environmental problem solving with economical approaches, together with methods used in mathematics and computer sciences. Research projects at the interdisciplinary CEM offers students the motivation and the possibility to work within a group of scientists.

Admission: Bachelors degree in a math., business or computer sciences.

Tuition and fees: 750 Euro/ Term

A two-year degree (4 terms)



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M.Sc. WATER AND COASTAL MANAGEMENT

The Universities of Oldenburg and Groningen are located in the German-Dutch region geared to sea and coast. A Europe-wide effort towards an integrated management of seas, coasts and rivers originates new vocational fields. To make them accessible researchers and instructors of both universities have combined their strengths and their different national approaches under one roof for the practical oriented, English master's program Coastal Zone Management. The program involves studies in both countries with earned degrees in both countries. Case studies in dialogue with society investigate how mathematical natural sciences, spatial planning and economical scientific methods can be successfully connected in sustainable land use development.

Admission: A bachelors degree in a scientific program

Tuition and fees: 1800 Euro/ Term

A two-year double degree (4 terms),

University of Oldenburg and University of Groningen, Netherlands



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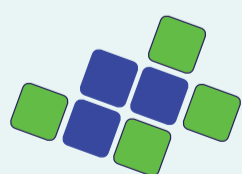
M.Sc. MARINE ENVIRONMENTAL SCIENCES

Modern environmental research demands experts who are able to analyse the complexity of natural areas and to introduce competent knowledge to tasks in environmental management. Along with this, the nationally unique masters' program Marine Environmental Sciences offers the needed comprehensive environmental and scientific education with focus on natural systems – offshore an onshore. The ability to connect a wide variety of mathematical and scientific procedures and methods is the main focus of the studies. Included, along with theoretical study contents, is essential practical training from data analysis strategies to application of powerful equipment for chemical and microbiological environmental analysis. Studies are closely geared with up to date research projects of the internationally recognized ICBM.

Admission: A bachelors degree in environmental sciences or a similar scientific program

Tuition and fees: 750 Euro/ Term

A two-year degree (4 terms)



VERY LARGE
BUSINESS APPLICATIONS
Carl von Ossietzky Universität Oldenburg

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M.Sc. BUSINESS INFORMATION SYSTEMS – VERY LARGE BUSINESS APPLICATIONS

The increasing demand for sustainable strategies and the success of sustainable investments pressure companies to consider environmental issues on a strategic level, going beyond legal compliance. Management is increasingly supported in this task by Corporate Environmental Management Information Systems (CEMIS). Such systems are targeted at optimising material and energy flows, minimize emissions and waste, and establish production integrated environmental protection. Management requires complex information systems, which have to harmonize economic and ecological goals. In order to deal with this complexity, there is a need for highly educated personnel, which has knowledge in environmental management, technologies, and has comprehensive insight about optimization of business processes under environmental view points.

Admission: Bachelor degree in informatics, business informatics, industrial engineering, business administration or a similar scientific program

Tuition and fees: 750 euro/term

A two year degree (4 terms)