



Royal Netherlands
Institute for Sea Research

NIOZ MARINE MASTERS SUMMER COURSE

30 June to 12 July 2019, NIOZ Texel

NIOZ Royal Netherlands Institute for Sea Research

offers an introductory, multidisciplinary oceanography masters' summer course which gives insight into state-of-the-art marine research in the Netherlands. The course covers physics, chemistry, biology, geology as the pillars of oceanography, and offers practical experience in marine research. It is hosted at NIOZ Texel and uses the western Wadden Sea as hands-on research area.

Learning objectives of the course are to:

- Identify current topics in the marine sciences, ranging from marine biology, physical oceanography and marine chemistry to marine geology;
- Identify and describe methods of sampling and observation commonly used in oceanography, including techniques and instruments used on research vessels;
- Conduct a group-based research project using basic sampling techniques to collect data in the field, perform laboratory analyses, analyse and interpret obtained data and prepare a presentation of the results;
- Present and discuss research results in a multidisciplinary framework.

Course content

The course includes a pre-course reading assignment, classroom lectures, field- and lab work, data analysis and an oral presentation. Introductory lectures on physical oceanography, marine chemistry, marine geology and marine ecology are followed by presentations on a selection of current research topics at NIOZ. Sampling and data collection methods and equipment are demonstrated in the field and in the NIOZ labs. A major part of the course is devoted to group research projects, supervised by NIOZ researchers. Students sample and collect data in small groups in the western Wadden Sea on the research vessels *Navicula* and *Stern* and/or on the tidal flats.

Assessment

Students are assessed on the basis of demonstrated performance during field work, laboratory work, data analysis and the oral presentation of the results at the end of the course.

More information on www.nioz.nl/en/education/summer-course

ADMISSION REQUIREMENTS

The course is open to students with a Bachelor's degree in studies related to oceanography from Dutch as well as foreign universities. Bachelor students who have completed their Bachelor course work, but have not yet obtained their degree, can also apply. Applications by students in their first or second year of their master studies will be given priority. The course is limited to 40 students. Proficiency in English is required.

CREDITS

NIOZ will inform the student's university about his/her participation in the course as well as the student's grade. Participation is rewarded with 3 - 4 ECTS, depending on university (ECTS will be granted by the student's university).

COURSE ENROLMENT

Please register online between 15 October 2018 and 31 March 2019 at www.nioz.nl/en/education/summer-course

COURSE LOCATION, COURSE FEE AND ACCOMMODATION

The course takes place at NIOZ Royal Netherlands Institute for Sea Research on Texel. Participants will be staying at the Potvis Campus, 't Horntje, Texel, in 4- or 5-person dormitory rooms or other similar accommodation close-by. A contribution of € 345 is charged for lodging and meals.

FOR INQUIRIES ABOUT THE SCIENTIFIC CONTENT OF THE COURSE:

Prof. Dr. Gert-Jan Reichart:
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FOR ALL OTHER INQUIRIES:

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