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DEPARTMENT OF MARINE SCIENCES



Exchange at the Department of Marine Sciences

Information and courses



Dear students,

The Department of Marine Sciences is Sweden's most complete environment for marine research and marine education and is one of only a few such organisations in Europe.

With broad and cutting-edge expertise, and access to unique marine infrastructure such as research vessels and field stations, the Department of Marine Sciences enjoys excellent conditions for addressing the challenges of the future within marine research, marine education, and marine innovation.

We are looking forward to welcoming you as an exchange student at our department. In this brochure you will find information about applying for exchange studies and available courses for exchange students.



The Department of Marine Sciences is the host department for the Marine Infrastructure at the University of Gothenburg, which is a national and international resource for research, education, innovation, and cooperation within the marine sciences. The infrastructure consists of [Tjärnö Marine Laboratory](#) and the larger research vessel [R/V Skagerak](#). The Department of Marine Sciences is also the host organization for the national infrastructure [Kristineberg Center for Marine Research and Innovation](#).



Courses for incoming Exchange students

Department of Marine Sciences, University of Gothenburg

The academic year in Sweden is divided into two semesters, each lasting 20 weeks.

Autumn 2023: 28 August – 31 October (Q 1-2)

1 November- 14 January (Q 3-4)

Spring 2024: 15 January – 20 March (Q 1-2)

21 March - 2 June (Q 3-4)

Autumn 2024: 2 September- 4 November (Q 1-2)

5 November -19 January (Q 3-4)

Spring 2025: 20 January- 26 March (Q 1-2)

27 March - 8 June (Q 3-4)

Credits and course structure

The normal workload (full-time studies) for one academic year is 60 credits, which correspond to 60 ECTS. One week's full-time study (40 hours) corresponds to 1.5 higher education credits (HP). Each semester is 20 weeks long, during which a student is expected to take 30 credits.

At the University of Gothenburg, it is most common to take courses sequentially, that is, one course after the other during the semester. The semester is divided into four quarters. Most commonly, courses are either 7.5 or 15 credits, but this can vary from 2 to 30 credits.

Courses

Incoming exchange students at the Department of Marine Sciences should attend mainly courses offered by the department. It might also be possible to attend courses from different departments (Biology and Environmental sciences, Chemistry and Molecular biology, Earth Sciences) if the entry requirements for the courses are fulfilled and space is available.

[You can find a list of courses for exchange students here.](#)

Please use the filter to select different departments.

Autumn semester

Marine biology

[Marine Biodiversity BIO267](#), BSc 15 credits, autumn Q1-2

Requirements: 120 credits within Marine Science, Biology or Environmental Science.

Please note that this course is taught at Tjärnö marine laboratory and students are staying at the station during the course. Accommodation is free, but students are paying for food at the station (ca. 9000 SEK)

Physical Oceanography

[Physical Oceanography I OCM100](#), MSc 15 credits, autumn Q 1-2

Requirements: 120 credits within natural science, including at least 15 credits in mathematics (calculus and linear algebra), is required.

[Basics of Physical Oceanography OCM101](#), MSc 7,5credits, autumn Q 1-2

Requirements: 120 credits of completed courses within natural sciences are required, of which at least 15 credits in mathematics (analysis and linear algebra).

[Physical oceanography II OCM210](#), MSc 15 credits, autumn Q 3-4

Requirements: A Bachelor's degree in Natural Science, Engineering or Technology including 15 credits within Physical Oceanography. Alternatively: 120 credits in the field of science where at least 60 credits must be in the fields of Mathematics, Physics and Meteorology and at least 15 credits within Physical Oceanography.

Marine geology

[Marine geology GVG320](#), BSc 7,5hp, autumn Q3

Requirements: 60 credits in the main field of Earth Sciences, of which 75% of the courses must have the grade at least Pass. Student with an equivalent education may be given admission to the course after examination.

[Marine Environmental geology GVM510](#), MSc 15 credits, autumn Q 3-4

Requirements: 150 credits in the main field of Earth Sciences or Marine Sciences. Student with an equivalent education may be given admission to the course after examination.

Marine Sciences/interdisciplinary

[Marine project- from idea to action MAR440](#), MSc 15 credits, autumn Q1-2

Requirements: A completed Bachelor's degree (180 credits) in Marine science, Biology, Chemistry, Oceanography, or Earth science.

[The Sea and Society Relationship; Historical Perspectives, Present Status and Future Challenges MAR461](#), MSc 15 credits, autumn Q1-2

Requirements: Completed BSc degree (180 credits)

[Blue economy and sustainable use of marine resources MAR462](#), MSc 15 credits, autumn Q3-4

Requirements: Completed Bachelor's degree (180 credits)

[Marine Sciences: Applied Project \(Internship\)](#), MSc 15 credits, all periods

Requirements: University studies of a minimum of 120 credits in the field of natural sciences, including at least 30 credits progressive specialization within the project field.

For this internship course you will need to find a supervisor, all of our [research areas](#) and [researchers](#) are listed here.

Spring semester

Marine biology

[Primary Producers of the Sea BIO458](#), MSc 15 credits, spring Q1-2

Requirements: University studies of a minimum of 75 credits in Biology with at least one in depth course of 15 credits in a relevant area.

[Experimental marine ecology BIO451](#), MSc 15 credits, spring Q 3-4

Requirements: 120 credits, within Marine Science, Biology or Environmental Science.

Please note that this course is taught at Tjärnö Marine Laboratory and students are staying at the station during the course. Accommodation is free, but students are paying for food at the station (ca. 9000 SEK)

Physical Oceanography

[Ocean Models OC6310](#), MSc 15 credits, spring Q 1-2

Requirements: 120 credits in the field of Science where at least 60 credits must be in the fields of Mathematics, Physics, Physical Oceanography, Meteorology or equivalent knowledge. Alternatively: Bachelor's Degree (180 credits) in Marine Sciences, including 15 credits within Physical Oceanography or equivalent knowledge.

Marine geology

[Marine Micropaleontology MG0230](#), BSc 7.5 credits, spring Q2

Requirements: 60 credits in the field of Earth Science. Alternatively; 60 credits in Marine Sciences and 15 credits in Earth Science.

[Marine Micropaleontology and Paleoceanography GVM460](#), MSc 15 credits, spring Q1-2

To apply for this course, you need 150 credits in the field of Earth Sciences and/or Marine Sciences is required. Basic knowledge in marine micropaleontology is recommended.

Marine Chemistry

[Biogeochemical cycles in the sea MAR210](#), BSc 15 credits, spring Q 1-2

Requirements: 90 credits within natural science, including 15 credits in chemistry and the course Ecology and Evolution, Basic Course, 15 credits, or equivalent.

[Applied Analytical Chemistry in Marine Sciences](#), MAR455, MSc 15 credits, spring Q1-2

Requirements: 120 credits in the field of natural science or engineering are required, including at least 30 credits within chemistry.

[Chemical Dynamics in the Sea MAR450](#), MSc 15 credits, spring Q3-4

Requirements: 150 credits in the field of natural science or engineering.

Marine Science/interdisciplinary

[European Marine Directives and Policies - an Interdisciplinary](#)

[Perspective MAR463](#), MSc 15 credits, spring Q 1-2

Requirements: A completed Bachelor's degree (180 credits)

[Seascape Governance in Times of Global Change MAR464](#), MSc 15 credits, spring Q 3-4

Requirements: A completed Bachelor's degree (180 credits)

[Marine Sciences: Applied Project \(Internship\)](#), MSc 15 credits, all periods

Requirements: University studies of a minimum of 120 credits in the field of natural sciences, including at least 30 credits progressive specialization within the project field.

For this internship course you will need to find a supervisor, all of our [research areas](#) and [researchers](#) are listed here.