



interuniversity Master's degree in marine biology

Universidade de Vigo



Academic year
2019/20

Get formed in what you like...

PROGRAMME

Semester I (september 2018-january 2019)

Module I. Core subjects (30 ECTS)

- The Marine Environment: Physical Oceanography (3)*
- Marine Botany (3)*
- Marine Zoology (3)*
- Marine Microbiology (3)*
- Marine Ecology (3)*
- Physiology of Marine Organisms (6)*
- Molecular Basis of Adaptation to the Marine Environment (3)*
- Study Techniques of Marine Organisms (3)*
- Experimental Design and Information Resources (3)*

Semester II (february 2019 - june 2019)

Module II. Shared advanced subjects (12 ECTS)

- Sampling Techniques and Recognition of Marine Organisms and Communities (3)*
- Cartography, S.I.G. and Remote Sensing (3)*
- Management: Socioeconomics, Environmental Education and Legislation (3)*

Module IIIA. Sustainable use and management of the marine environment (12 ECTS)

- Conservation Biology (3)*
- Genetic Diversity and its Applications to the Study of Marine Organisms (3)*
- Marine Pollution and Ecotoxicology (3)*

Module IIIB. Marine resources (12 ECTS)

- Biology of Exploited and Potentially Exploitable Species (6)*
- Assessment and Exploitation of Coastal Resources (3)*
- Fisheries and Exploitation of Fishing Products (3)*

Module IV. Elective subjects (6 ECTS)

- Spatial Statistics and Modelling (3)*
- Invasive Species and Fouling (3)*
- Developmental Biology in Marine Organisms (3)*
- Mechanisms of Toxicity and detoxification of xenobiotics (3)*
- Marine Genomic (3)*

Semester III (september 2019 - february 2020)

Module V. Work Placement: External Training (18 ECTS)

Module VI. Final dissertation: Master Thesis (12 ECTS)

30 vacancies
(10 UVIGO; 10 USC; 10 UDC)

Access and admission

Recommended profile:

Preference is given to graduates in biology or marine science. Students from other sciences or health sciences can also be allowed.

Admission procedures and criteria

Curriculum vitae (90%)
Application letters (10%)
Personal interview (optional)

Objectives

The aims of this master's degree is to train professionals in tasks related to Marine Biology, further the training of professionals who already carry out these activities, and prepare research staff to work at Marine Biology scientific research centres or in research teams for public and private institutions and companies

Competences

The aims of this master's degree is to train professionals in tasks related to Marine Biology, further the training of professionals who already carry out these activities, and prepare research staff to work at Marine Biology scientific research centres or in research teams for public and private institutions and companies.

There is a need for professionals trained in marine biology both to work for the autonomous government, local governments, fishermen and shell fishermen's guilds, as well as in risk and environmental impact assessment companies, etc. There is a demand for trained specialists who are able to handle the evaluation, management and correct assessment of diversity and of the marine resources of a given geographical area, guaranteeing its preservation within the existing legal framework. Also, there is an equally essential demand for educators and researchers in the field of Marine Biology.

Study coordinator
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In cooperation
with...



<http://masterbiologiamarina.uvigo.es>