



BSc minor WUMLR Marine Living Resources

Global climate change affects living resources in coastal areas, seas and oceans. It influences the balance between resources, their exploitation and other ecosystem services. A sustainable, responsible exploitation of marine resources also requires regulatory frameworks and proper governance.

The BSc Minor Marine Living Resources focuses on the use and management of living resources in aquatic ecosystems with a particular focus on coastal zones, seas and oceans. It provides an integrated and comprehensive introduction of biology, ecology and the living conditions of the organisms living in the sea. You will study the complex interactions between (marine) life and its biotic, physical and chemical environment; the use and management of these resources for food, nature conservation or recreation and the social-ecological dimensions of governance processes for seas and oceans. This minor integrates concepts and analytical techniques from different scientific areas, such as marine biology, marine ecology, aquaculture and fisheries, and marine policy.

The minor offers a window for undergraduate students to prepare for admission to the MSc programme Aquaculture and Marine Resources Management (MAM) at Wageningen University, or for a potential specialisation at MSc level in the area of Marine Biology, Marine Governance and/or Marine Biotechnology in other MSc programmes at the university.

BSc Minor coordinator

Prof. J. Verreth

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Learning outcomes

After successful completion of this minor students are expected to be able to:

- understand the biological, ecological, technological and socio-economic key disciplines related to marine life, its use and exploitation and sustainable management of marine resources;
- understand the morphological, physiological, behavioural and ecological adaptations of marine organisms and how they contribute to complex ecosystem functions;
- understand how both natural and human induced changes and governance affect marine resources;
- analyse and measure marine organisms, marine ecosystem processes, complex marine ecosystem and fisheries problems, and governance issues;
- integrate and use knowledge and skills of the mentioned disciplines in specific cases of coastal and marine resources exploration, exploitation and management.



Code and name of the courses	Period, MO/AF	CS or RO*
1. AFI-33306 Sustainability in Fish and Seafood Production	4 MO+ AF	RO1
2. AFI-20306 Aquaculture and Fisheries	5 MO	CS
3. ENP-52806 Ocean and Coastal Governance	5 AF	RO1
4. AEW-23306 Introduction Marine and Estuarine Ecology	6 MO+AF, 1 st half of period	CS
5. EZO-22806 Marine Life	6 MO+AF, 2 nd half of period	RO2
6. AEW-20706 Practical Aquatic Ecology and Water Quality	6 MO+AF, 2 nd half of period	RO2

RO information

RO1: Choose 1 course from RO1, contact the minor coordinator for advice.

RO2: All students have to take EZO-22806 Marine Life, except for BBI students. They have to take AEW-20706 Practical Aquatic Ecology and Water Quality.

Target group

For all BSc students with VWO end level Biology.

Overlapping courses or content with

BDW-B Animal Sciences– major Aquatic Organisms

Language

English

More information about WU BSc minors?

www.wageningenur.nl/minors

<https://ssc.wur.nl/Studiegids/MinorProgramma/WUMLR>

* CS = Compulsory, RO= Restricted Optional

