THE POSTGRADUATE UNIVERSITY STUDY PROGRAMME

APPLIED MARINE SCIENCES

About the study programme

The postgraduate university study programme of Applied Marine Sciences is jointly organised by the University of Split and the University of Dubrovnik. It is delivered since the academic year 2006/07, in the **scientific field of Biotechnical Sciences** (Interdisciplinary Biotechnical Sciences) and the **scientific field of Natural Sciences** (Interdisciplinary Natural Sciences). The study programme lasts for **three years** (six semesters) and to acquire the academic title of **Doctor of Science (PhD)**, during this postgraduate study students must acquire **180 ECTS credits**, out of which 35 ECTS credits are acquired via lectures and seminars at mandatory and elective courses, and the remaining 145 ECTS credits are acquired via other scientific activities related to publishing papers, attending conferences, workshops, and professional development courses.

Explore the study programme

Curriculum of the study programme – list of mandatory and elective courses			
Year of study: 1; **Semester:** 1			
Mandatory courses			
Code	**Course**	**Hours in semester**	**ECTS**
PZMO01	Introduction to applied marine natural sciences	30	5
PZMO03	Introduction to marine biotechnological sciences	30	5
PZMO05	The methodology of scientific research	30	5
Year of study: 1; **Semester:** 2			
Elective courses			
Code	**Course**	**Hours in semester**	**ECTS**
PZMI01	Statistical methods and data analysis	20	4
PZMI05	International law of the sea	20	4
PZMI06	Legislation in the field of environmental protection and fisheries	20	4
PZMI07	Economics of environmental protection	20	4
PZMI08	Economy of marine resources	20	4
PZMI11	Marine pollution	20	4
PZMI12	Environmental impact assessment	20	4
PZMI13	Ballast waters	20	4
PZMI14	Ship pollution	20	4
PZMI16	GIS applications in marine sciences	20	4
PZMI17	Conservation ecology	20	4
PZMI19	Microbial processes in the sea	20	4

PZMI20	Embryology and genetics of marine organisms	20	4
PZMI23	Population dynamics of marine organisms	20	4
PZMI24	Marine protected areas	20	4
PZMI25	Ecological modelling	20	4
PZMI26	Methods in ecology	20	4
PZMI55	Population genetics of marine organisms	20	4
PZMI27	Management of marine living resources	20	4
PZMI28	Sustainable fishing and its regulation	20	4
PZMI29	The impact of fishing on marine communities	20	4
PZMI30	Biology and ecology of commercial species	20	4
PZMI31	Adriatic ichthyofauna	20	4
PZMI32	Poisonous organisms in the sea	20	4
PZMI33	Application of oceanography and fisheries in mariculture	20	4
PZMI34	Technology of fishery products	20	4
PZMI35	Microbiological and toxicological aspects of food hygiene of marine origin	20	4
PZMI36	Marketing in fisheries	20	4
PZMI37	Raw materials of marine origin in the chemical industry and medicine	20	4
PZMI38	History of the marine research and fisheries	20	4
PZMI53	Underwater research techniques	20	4
PZMI39	Trends in mariculture	20	4
PZMI40	Biology, ecology and production of new planktonic species in aquaculture	20	4
PZMI41	Controlled reproduction of marine organisms	20	4
PZMI42	Genetic methods in aquaculture	20	4
PZMI43	Cultivation of marine invertebrates	20	4
PZMI44	The introduction of new species in mariculture	20	4
PZMI45	Biological and ecological characteristics of exploited bivalves	20	4
PZMI46	Fish nutrition in mariculture	20	4
PZMI48	Crustacean biology and aquaculture	20	4
PZMI49	Synergistic aspects of mariculture and fisheries	20	4
PZMI50	Mariculture and environment	20	4
PZMI52	Biology, ecology and aquaculture of cephalopods	20	4

Year of study: 2; **Semester:** 3 and 4

Obligatory course			
Code	**Course**	**Hours in semester**	**ECTS**
PZMI53	Seminars	-	15
Year of study: 3; **Semester:** 5 and 6			
Obligatory course			
Code	**Course**	**Hours in semester**	**ECTS**
PZMI54	Doctoral thesis	-	90

Enrolment into the study programme

Enrolment conditions:

- completed graduate or master's degree in the scientific field of Natural or Biotechnical Sciences or related fields,
- enrolment may exceptionally be granted to persons who have completed university graduate studies in other scientific fields than those determined by the study programme, with the passing of differential exams, which is decided by the Postgraduate Study Council,
- the grade point average is at least 3.6 and exceptionally it can be 3.0 but, in that case, the applicant must submit 2 relevant recommendations, one of which must be from the Head of the graduate study.

The application should contain:

- completed application form for the postgraduate university study,
- a certified copy of the diploma of the graduate study, while those that are the Master of Science also the diploma of the acquired degree of the Master of Science,
- transcript of grades with the grade point average of the graduate study, without the grade of the thesis, while those that are Masters of Science transcript of grades with the grade point average of the master's degree, without the grade of the master's thesis,
- proof of knowledge of English,
- a copy of the certificate of Croatian citizenship or proof of citizenship for foreign citizens,
- CV,
- list of published scientific papers,
- decision on recognition of qualification acquired abroad (only for diploma obtained at a foreign university),
- explanation of the reasons for enrolment in the postgraduate study (description of your scientific interest and plans for the future), and proposal of a potential mentor and doctoral research,
- confirmation from the company or institution on the payment of tuition fees if the study costs are paid by the company or institution.

The date of the new enrolment admission in the postgraduate university study programme of Applied Marine Sciences, as well as all updated information, **will be announced and published later in 2023 on the University's website** (https://more.unist.hr).

You can get more detailed information by **sending an email**:

- to the Head of the postgraduate university study programme: Josipa Ferri, josipa.ferri@unist.hr or
- to the Head of the Student service: Vlatka Panadić, vpanadic@unist.hr.