

Teaching plan - PhD programme in Scienze Marine, Tecnologia e Gestione

38°Cycle a.y. 2022/2023

Course	SSD	hrs	credits	Educational form*	Type of activity**	Mandatory/Chosen activity
Maritime space and globalization: economic and environmental questions	SECS-P/12	16	2	lecture		Chosen activity
Seabed cold seeps in a changing climate: what we know from multiscale surveys using cutting-edge ocean technology	GEO/04	8	1	lecture		Chosen activity
Habitat mapping for ecosystem-based management of the deep sea	GEO/04	16	2	lecture		Chosen activity
The response of corals to environmental changes	BIO/07	8	1	lecture		Chosen activity
Ecology of tropical marine fish	BIO/07	8	1	lecture		Chosen activity
Coral reef rehabilitation techniques	BIO/07	8	1	lecture		Chosen activity
Coral Health and disease assessment	BIO/07	8	1	lecture		Chosen activity
Diversity of Coral-associated fauna	BIO/07	8	1	lecture		Chosen activity
DNA-based tools applied to marine diversity, evolution, and ecology	BIO/07	16	2	lecture		Chosen activity
Use of Unmanned Aerial Vehicles (UAVs) for monitoring coastal and nearshore environments: from acquisition procedures to data processing	GEO/04	16	2	lecture		Chosen activity
Research proposals' design and submission	M-GGR/01	8	1	lecture		Chosen activity
Technologies for the analysis of contamination in the marine environment	CHIM/12	8	1	lecture		Chosen activity
Bioprospecting and biomimicry for Sustainable development	CHIM/12	8	1	lecture		Chosen activity
Introduction to Sustainable Development Goals and their implementation through European and International policies, to indicators and methodological approaches for assessing the sustainability of SDGs	BIO/07	16	2	lecture		Chosen activity
Teamwork and group dynamics	M-PSI/08	16	2	lecture		Chosen activity
Psychological and social determinants of pro-environmental attitudes and behaviours	M-PSI/08	8	1	lecture		Chosen activity
Ocean Literacy and Ocean Citizenship: education, culture and sustainability	M-GGR/01	8	1	lecture		Chosen activity

Coastal and maritime tourism: social and environmental geography	M-GGR/01	8	1	lecture		Chosen activity
Vulnerability and Environmental conflicts: social and political geography of the sea	M-GGR/01	16	2	lecture		Chosen activity
The role of the oceans in the climate system	GEO/12	8	1	lecture		Chosen activity
Waves and turbulence	GEO/12	8	1	lecture		Chosen activity
Air-sea interactions	GEO/12	8	1	lecture		Chosen activity
Ocean dynamics lab	GEO/12	16	2	laboratory training		Chosen activity
New materials and technologies applicable in the marine environment	CHIM/05	8	1	lecture		Chosen activity
Research dissemination, transferring and exploitation	M-GGR/01	8	1	lecture		Chosen activity
Technical Aspects of the Law of the Sea	IUS/13	8	1	lecture		Chosen activity
Moot Court Exercise in International Maritime Dispute Settlement	IUS/13	16	2	lecture		Chosen activity
Polar Questions and the Law of the Sea	IUS/13	8	1	lecture		Chosen activity
Microplastics in the marine environment: from determination to mitigation	CHIM/12	8	1	lecture		Chosen activity
<b>Total hrs/credits</b>		304	38			

60 ANNO

**Educational form\***

lecture

laboratory training

seminar

**Type of activity\*\***

curricular

cross-curricular