

# Courses of the Master Degree Marine Biology and Aquaculture

*New Didactic Plan from A.Y. 2021/2022*

1th YEAR 1th SEMESTER ( <i>both curricula</i> )				
COURSES	MODULES	ECT	PROF	SEMESTER
Physical and chemical oceanography		6	GEO/02	I
Biodiversity of marine environment and monitoring	Marine animal biodiversity	6	Anna Di Cosmo	I
	Marine plant biodiversity	6	BIO/01	
Marine microbial biodiversity		6	Donato Giovannelli	I
Algal biology		6	Karl Joseph Duffy	I
Observational strategy and scientific diving		6	Gianluca Polese	I

1th YEAR 2nd SEMESTER <i>Curriculum Marine Biology</i>				
COURSES	MODULES	ECT	PROF	SEMESTER
Marine ecology		6	Simonetta Fraschetti	I
Developmental biology and physiology of marine organisms	Developmental biology of marine organisms	6	Chiara Maria Motta	I
	Physiology of marine organisms	6	Claudio Agnisola	
Optional activity		6		
TOTAL ECT 1th Year		60		

<b>1th YEAR 2nd SEMESTER Curriculum Marine Aquaculture</b>				
<b>COURSES</b>	<b>MODULES</b>	<b>ECT</b>	<b>PROF</b>	<b>SEMESTER</b>
Fishery ecology		6	BIO/07	I
Nutrition physiology and functional anatomy of fish	Functional anatomy of fish	6	Giulia Guerriero	I
	Nutrition physiology and animal welfare in aquaculture	6	Maria Pina Mollica	
Optional activitiy		6		
<b>TOTAL ECT 1th Year</b>		60		

<b>2nd YEAR Curriculum Marine Biology (from a.y. 2022/2023)</b>			
<b>COURSES</b>	<b>ECT</b>	<b>PROF</b>	<b>SEMESTER</b>
Marine genomics	6		
Biochemical adaptation to marine environment	6		
Marine animals ecopathology	6		
Optional activitiy	6		
Internship/acquisition of italian language	6		
Thesis	30		
<b>TOTAL ECT 2nd Year</b>	60		

## 2nd YEAR Curriculum Marine Aquaculture (from a.y. 2022/2023)

COURSES	MODULES	ECT	PROF	SEMESTER
Pathology in aquaculture	Desease and diagnostic of Mollusc and Crostacean	6		I
	Pathology of Teleost	6		
Hygiene of aquatic productions		6		
Optional activitiy		6		
Internship/acquisition of italian language				
Thesis		30		
TOTAL ECT 2nd Year				

## OPTIONAL COURSES

INSEGNAMENTI	CFU	DOCENTI	SEMESTRE
Marine Geology (GEO/04/05)	6	David Iacopini	
Management of Marine Resources	6	BIO/07	