

COURSES PLAN – A.Y. 2026-2027

FIRST YEAR (MSc Degree Programme Regulations, enrollment year 2026/27)							
MANDATORY COURSES:					CFU	SSD	Term
BIODIVERSITY AND MARINE ECOLOGY (12 CFU)	BIODIVERSITY UNIT	LECTURE – 4 CFU	6	BIOS-05/A	First		
		PRACTICAL CLASS – 2 CFU					
	MARINE ECOLOGY UNIT	LECTURE – 4 CFU	6	BIOS-05/A			
		PRACTICAL CLASS – 2 CFU					
FUNDAMENTALS OF MARINE BIOLOGY		LECTURE – 4 CFU	6	BIOS-03/A	First		
		PRACTICAL CLASS – 2 CFU					
MARINE GEOMORPHOLOGY		E-LEARNING LECTURE* – 4 CFU	6	GEOS-03/A	First		
		E-LEARNING LAB ACTIVITY* – 2 CFU					
BIOGEOSCIENCES AND GLOBAL CHANGES		LECTURE – 5 CFU	6	GEOS-02/A	First		
		PRACTICAL CLASS – 1 CFU					
INTERNATIONAL LAW OF THE SEA		LECTURE – 6 CFU	6	GIUR-09/A	First		
CHEMISTRY OF MARINE ENVIRONMENT		LECTURE – 6 CFU	6	CHEM-01/B	Second		
PHYSICAL OCEANOGRAPHY		LECTURE – 5 CFU	6	PHYS-05/B	Second		
		LAB ACTIVITY – 1 CFU					
STUDENTS HAVE TO CHOOSE 1 MANDATORY MULTIPLE-CHOICE COURSE (6 CFU) BETWEEN THE FOLLOWING ONES:							
COASTAL AND MARINE HAZARD AND RESILIENCE		E-LEARNING LECTURE* – 6 CFU	6	GEOG-01/B	Second		
ENVIRONMENTAL JUSTICE AND GEOPOLITICS OF THE SEA		LECTURE – 6 CFU	6	GEOG-01/B	Second		
STUDENTS HAVE TO CHOOSE 1 MANDATORY MULTIPLE-CHOICE COURSE (6 CFU) AMONG THE FOLLOWING ONES:							
APPLIED GEOMORPHOLOGY AND HABITAT		E-LEARNING LECTURE* – 4 CFU	6	GEOS-03/A	Second		
		LAB ACTIVITY – 2 CFU					
APPLIED MICROPALEONTOLOGY AND BIOMONITORING		LECTURE – 4 CFU	6	GEOS-02/A	Second		
		LAB ACTIVITY – 2 CFU					
HUMAN GEOGRAPHY OF SMALL ISLAND SYSTEMS		LECTURE – 3 CFU	6	GEOG-01/A	Second		
		E-LEARNING LECTURE* – 3 CFU					

MARINE BIOPROSPECTING	E-LEARNING LECTURE* – 6 CFU	6	BIOS-08/A	Second
MARINE INVERTEBRATE ZOOLOGY	LECTURE – 6 CFU	6	BIOS-03/A	First
MARINE VERTEBRATE ZOOLOGY	LECTURE – 6 CFU	6	BIOS-03/A	Second
OCEAN AFFAIRS LAW AND POLICY	LECTURE – 6 CFU	6	GIUR-09/A	Second

* Lectures delivered online

SECOND YEAR (MSc Degree Programme Regulations, enrollment year 2025/26)				
STUDENTS HAVE TO CHOOSE 2 MANDATORY MULTIPLE-CHOICE COURSES (12 CFU) AMONG THE FOLLOWING ONES:		CFU	SSD	Term
APPLIED MARINE GEOLOGY	E-LEARNING LECTURE* – 2 CFU	6	GEOS-03/A	First
	LAB ACTIVITY – 3 CFU			
	FIELD ACTIVITY – 1 CFU			
COASTAL AND MARINE BOTANY	LECTURE – 4 CFU	6	BIOS-01/A	First
	FIELD ACTIVITY – 2 CFU			
COASTAL AND MARITIME TOURISM	LECTURE – 5 CFU	6	GEOG-01/B	First
	PRACTICAL CLASS – 1 CFU			
COASTAL RISKS AND DYNAMICS	E-LEARNING LECTURE* – 4 CFU	6	GEOS-03/A	First
	LAB ACTIVITY – 1 CFU			
	FIELD ACTIVITY – 1 CFU			
COMMUNICATION SKILLS AND INTERPERSONAL RELATION MANAGEMENT	LECTURE – 6 CFU	6	PSIC-04/B	First
MANAGEMENT OF AQUATIC RESOURCES: FISHERIES	E-LEARNING LECTURE* – 6 CFU	6	BIOS-05/A	First
MARINE MOLECULAR BIOLOGY	LECTURE – 6 CFU	6	BIOS-08/A	First
MULTIDISCIPLINARY LAB (6 CFU)	BIO-ECOLOGY LAB UNIT	E-LEARNING LECTURE* – 1 CFU	3	BIOS-05/A
		FIELD ACTIVITY – 2 CFU		
	ENVIRONMENTAL LAB UNIT	E-LEARNING LECTURE* – 1 CFU	3	GEOS-02/A
		FIELD ACTIVITY – 2 CFU		
OCEAN MONITORING AND DATA ANALYSIS	E-LEARNING LECTURE* – 1 CFU	6	GEOS-04/C	First
	LAB ACTIVITY – 5 CFU			
PALEOCEANOGRAPHY AND PALEOCLIMATOLOGY	LECTURE – 4 CFU	6	GEOS-02/A	First
	LAB ACTIVITY – 1 CFU			
	FIELD ACTIVITY – 1 CFU			

UNDERWATER SCIENTIFIC METHODOLOGY FOR ECOLOGICAL STUDIES AND MONITORING		E-LEARNING LECTURE* – 2 CFU	6	BIOS-05/A	Second
		FIELD ACTIVITY – 4 CFU			
CONSERVATION PALEOBIOLOGY		LECTURE – 5 CFU	6	GEOS-02/A	First
		LAB ACTIVITY – 1 CFU			
CLIMATE CHANGE IMPACTS ON MARINE ECOLOGY		E-LEARNING LECTURE* – 6 CFU	6	BIOS-05/A	First
MANDATORY ACTIVITIES					
<u>TRAINEESHIP</u>			4	NN	Annual
<u>FURTHER LINGUISTIC KNOWLEDGE</u>	Italian students have to choose among following ones:	ENGLISH - C1 LEVEL	4	NN	Annual
		FRENCH - B2 LEVEL	4	NN	Annual
		GERMAN - B2 LEVEL	4	NN	Annual
		SPANISH - B2 LEVEL	4	NN	Annual
	Mandatory for international students	ITALIAN - B1 LEVEL	4	NN	Annual
<u>EDUCATIONAL ACTIVITIES “TO BE CHOSEN BY THE STUDENT”</u>			12	NN	
<u>FINAL EXAMINATION</u>			28	NN	

* Lectures delivered online

EDUCATIONAL ACTIVITIES “TO BE CHOSEN BY THE STUDENT” – 12 CFU

The activities “To be chosen by the Student” are part of the study plan and students can acquire the expected 12 CFU by choosing among one of the following ways:

- Courses for 12 CFU offered by this Programme or by other master’s programmes at the Milano-Bicocca University
- Practical training for 6 CFU and one course for 6 CFU offered by this programme or by other master’s programmes at the Milano-Bicocca University
- Practical training for 12 CFU

INFORMATION:

The Academic Year is subdivided into two terms, conventionally called semesters; first semester from October to January, second semester from March to June.

Teaching language is English.

1 CFU (Italian university credit) corresponds to 7 h of lecture/E-learning lecture; 12 h of practical class/lab activity/field activity; 25 h of traineeship/practical training/thesis