UNIVERSITA' POLITECNICA DELLE MARCHE

Dipartimento di Scienze della Vita e dell'Ambiente DISVA

STUDY PROGRAM A.Y. 2025/2026

Italian Class LM-6 R - Biology (Italian D.M. 270/04)

Master's Degree Course "MARINE BIOLOGY"

	Lingua	DISCIPLINA	Tipologia	SETTORE		CFU	Tot. Ore
		1st YEAR					
1	Eng	Marine biology and marine ecology	Core	BIO/07		**8**	**64**
2	Eng	***Combined course: Physical, chemical and biological oceanography***				**9**	**72**
		Oceanography	Sim.	GEO/12	6		
		Chemical and biological oceanography	Others	BIO/01	3		
3	Eng	Marine genomics	Core	BIO/18		**6**	**48**
4	Eng	Evolutionary biology of marine vertebrates	Core	BIO/06		**6**	**48**
5	Eng	Marine conservation biology (IMBRSea)	Core	BIO/07		**6**	**48**
6	Eng	Marine protected areas design and management (IMBRSea)	Sim.	BIO/05		**6**	**48**
7	Eng	***Combined course: Field practices: Sampling design and census of marine communities***				**11**	**88**
		Sampling and census of marine algae and seagrasses	Core	BIO/01	5		
		Sampling and census of marine animals	Core	BIO/05	6		
	Eng	Marine GIS and spatial planning (IMBRSea)	Others	GEO/04		**3**	**24**
		Free-choice credits (electives)*				**6**	
		Stage	Others			**4**	
				Total CFU		**65**	
		2nd YEAR (activated A.Y. 26/27)					
8	Eng	Fishery biology	Core	BIO/07		**6**	**48**
9	Eng	***Combined course: Reproductive biology of marine vertebrates and aquaculture***				**10**	**80**
		Commercial and ornamental aquaculture	Sim.	BIO/06	5		
		Reproductive biology of marine vertebrates	Core	BIO/06	5		
10	Eng	Applied marine ecology (IMBRSea)	Core	BIO/07		**6**	**48**
11	Eng	Marine ecotoxicology (IMBRSea)	Core	BIO/13		**6**	**48**
	Eng	Field practices: Marine monitoring	Others	BIO/07		**7**	**56**
		Free-choice credits (electives)*				**6**	
		Thesis				**14**	
				Total CFU		**55**	
				Total		**120**	
12		**Courses for free-choice credits (electives)***					
	Ita	Bioinformatica	D	BIO/18		**6**	**48**
	Eng	Field practices: Sampling design and census of marine communities (IMBRSea)	D	BIO/05	3 3	**6**	**48**
	Eng	Marine ecology (IMBRSea)	D	BIO/07		**6**	**48**
	Eng	Oceanography (IMBRSea)	D	GEO/12		**6**	**48**
	Eng	Quantitative methods in marine science (IMBRSea) **	D	BIO/07		**6**	**48**
	Eng	Marine policy and governance (IMBRSea)	D	IUS/13		**3**	**24**
	Eng	Marine genomics (IMBRSea)	D	BIO/18		**3**	**24**
	Eng	Field practices: Marine monitoring (IMBRSea)	D	BIO/07		**6**	**48**
	Eng	Transferable skills course: Science dissemination and communication (IMBRSea)	D	BIO/07	2 1	**3**	**24**
	Eng	Marine ecosystem restoration: an introduction (IMBRSea) ** 2nd year	D	BIO/07		**6**	**48**
	Eng	Restoration of hard bottoms and tropical reefs: field work and practice (IMBRSea) 2nd year	D	BIO/05		**6**	**48**
	Eng	Restoration of seagrasses and algal forests: field work and practice (IMBRSea) 2nd year	D	BIO/01		**6**	**48**

*** At least 6 CFU must be acquired attending one of the following optional courses**

** to be inserted in the career of students that didn't submit an individual study plan

> Quantitative methods in marine sciences - first year

> Marine ecosystem restoration: an introduction - second year

a) 1 credit= 8 hours. Together with the theoretical lectures, all courses must have at least 1 credit of experimental session

b) combined courses involve various courses with only one final examination

c) there are no compulsory prerequisite exams

d) Practical training has to be carryied out in structures outside DiSVA for 100 hours

(IMBRSea): courses shared with the IMBRSea master's program

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STATUTORY STUDY PLAN A.Y. 2025/2026

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