UNIVERSITA'
POLITECNICA
DELLE MARCHE

Dipartimento
di Scienze
della Vita
e dell'Ambiente
DISVA

STUDY PROGRAM A.Y. 2026/2027

Italian Class LM-75 R - Sciences and Technologies for the Environment and the Territory

MASTER'S DEGREE COURSE IN "ENVIRONMENTAL HAZARD AND DISASTER RISK MANAGEMENT"

	DISCIPLINA	Tipologia	SETTORE		CFU	Tot. Ore
	1st YEAR					
1	***Integrated course: Energy and environmental sustainability***				12	96
	>Environmental sustainability	Caratt.	BIOS-05/A	6		
	>Renewables and innovative energy systems	Caratt.	IIND-07/B	6		
2	Chemical and industrial risk	Caratt.	CHEM-05/A		8	64
3	Biological and ecological risk	Caratt.	BIOS-10/A		8	64
4	GIS for environmental hazard and disaster risk management	Caratt.	GEOG-01/A		6	48
	Artificial intelligence for environmental management	Altro	INFO-01/A		3	24
5	***Integrated course: Environmental impact assessment and monitoring***				10	80
	>Environmental legislation and impact assessment: principles and practice	Caratt.	BIOS-05/A	4		
	>Environmental monitoring	Caratt.	CHEM-01/A	6		
6	Geological hazard in a changing climate	Caratt.	GEOS-02/B		6	48
7	Climate change and natural hazard	Caratt.	GEOS-04/C		6	48
	Stage	Altre			4	
	Elective professionalising activities**	Altre			4	
			Totale CFU		67	
	2nd YEAR (activated A.Y. 27/28)					
8	Disaster risk reduction	Caratt.	GEOG-01/A		7	56
9	***Integrated course: Combined approaches to disaster management***				12	96
	>Disaster management	Caratt.	PHYS-06/A	6		
	>Disaster medicine	Aff.	MEDS-26/B	6		
10	Waste management and environmental remediation	**Aff.**	ICHI-01/C		6	48
11	Nature conservation and management of protected areas	Caratt.	BIOS-05/A		6	48
	Elective courses*				8	
	Thesis				14	
			Totale CFU		53	
			Total		120	
	Elective professionalising activities**					
	Environmental monitoring techniques (+)		CHEM-01/A		2	16
	Communication techniques		GEOG-01/A		2	16
	Emergency psycology		GSPS-08/B		2	16
	Earthquake risk mitigation		CEAR-06/A		2	16
	Disaster bioethics		GIUR-17/A		2	16
	Grant proposals		GIUR-10/A		2	16
	OASI Methods for Observing and AnalySing ocean observations and model data (+)		GEOS-04/C		2	16
	Bio-Inspired Blue Solutions		BIOS-03/A		2	16
	STEP Sustainability Training for Environmental Practice (2nd year)		ICHI-01/C		2	16
12	**Elective courses**					
	Fire risk management and safety regulation (+) 2nd year	D	IIND-07/B		4	32
	Environmental certifications and procedures (+) 2nd year	D	ICHI-01/C		4	32

*** Students must select and include in their study plan the elective courses during the academic year they are actually offered. At least 4 CFU must be acquired attending one of the elective courses**

(+) Statutory course, automatically assigned if the student does not submit a study plan, and modifiable by the student according to the rules and procedures established for study plan changes

Environmental monitoring techniques (first year), OASI Methods for Observing and AnalySing ocean observations and model data (first year)

Fire risk management and safety regulation (2nd year), Environmental certifications and procedures (2nd year)

** 4 CFU for "Other": additional educational activities chosen by the student

a) 1 credit= 8 hours. Together with the theoretical lectures, all courses must have at least 1 credit of laboratory session/field activity/project work

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

c) there are no compulsory prerequisite exams

d) the stage has to be carried out in structures outside DiSVA for 100 hours