

UNIVERSITÀ DEGLI STUDI DI PALERMO

Department: Earth and sea sciences A.Y. 2023/2024

DEGREE COURSE IN ENVIRONMENTAL ANALYSIS AND MANAGEMENT

Characteristics



Class of Master's Degree (MSc) on Environmental and land sciences (LM-75)



2 YEARS



PALERMO



FREE ACCESS



2110

Educational objectives

The 2nd cycle Degree Course in Environmental Analysis and Management aims at training highly qualified and specialized professionals able to intervene with multidisciplinary skills in the prevention, requalification, diagnosis and solution of environmental problems, also taking direct responsibility for projects and structures.

The objectives of educational activities are the following:

- providing an in-depth cultural background with a systemic orientation towards the environment and a good command of the scientific method, also in view of a possible access to PhD courses;
- creating the ability to identify and organize the interactions of the various factors intervening in complex environmental processes, systems and problems;
- building the ability to apply different survey methodologies for the knowledge and control of complex environmental situations with respect to environmental recovery and remediation interventions;
- providing specific skills in remote sensing techniques and geographic information systems;
- enabling to use bioindicators in the environmental analysis, management and requalification;
- enabling to operate with coordination responsibilities, in the fields of environmental analysis, management and requalification;
- -providing the knowledge to evaluate environmental resources and formulate hypotheses for the management and planning of the territory and the conservation of the environment, also by integrating environmental variables.

The acquisition of the skills and knowledge needed to achieve the general objectives is achieved through the integrated knowledge of the physical, mathematical, biological, chemical, ecological, earth sciences and juridical-economic-evaluation subjects.

Educational activities consist of lectures, laboratory and field exercises, specialist seminars and ongoing tests. The educational programme of the Degree Course consists of 11 mandatory exams, an elective subject, a language test, a practical/applicative internship at affiliated facilities, and the final exam on specific topics of the course.

Professional opportunities

The 2nd cycle Degree Course in Environmental Analysis and Management aims at training highly qualified and specialized professionals able to intervene with multidisciplinary skills in the prevention, requalification, diagnosis and solution of environmental problems, also taking direct responsibility for projects and structures.

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Legenda: Per. = periodo o semestre, Val. = Valutazione (V=voto, G=giudizio), TAF= Tipologia Attività Formativa (A=base, B=caratterizzante, C=Affine, S=stages, D=a scelta, F=altre)

10 aprile 2024

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Final examination features

The final examination consists of the elaboration of an original written thesis consistent with the objectives of the course, under the guidance of a Professor of the course and of its presentation and discussion before the Degree Board. The characteristics of the final examinations are described in the Course Educational Regulations.

Subjects 1 ° year	CFU	Sem.	Val.	SSD	TAF
22539 - ANALYTICAL METHODOLOGIES IN ENVIROMENTAL CONTROL - INTEGRATED COURSE	12	1	V		
- ANALYTICAL METHODOLOGIES Piazzese(PA)	6	1		CHIM/01	В
- ENVIRONMENTAL CHEMISTRY Orecchio(PA)	6	1		CHIM/01	В
16164 - APPLIED ECOLOGY Signa(PA)	6	1	V	BIO/07	В
18671 - BIOINDICATORS - INTEGRATED COURSE	12	1	V		
- DEFENCE SYSTEMS AND ANIMAL WELLBEING Cammarata(PO)	6	1		BIO/05	В
- ZOOLOGY FOR BIOLOGICAL MONITORING AND CONTROL Parisi(PA)	6	1		BIO/05	С
20543 - MATHEMATICAL MODELS AND DATA ANALYSIS FOR ENVIRONMENTAL MANAGEMENT Sciacca(PO)	6	1	V	MAT/07	В
23400 - ECOLOGY METHODS AND TECHNIQUES Sara'(PO)	6	2	V	BIO/07	В
19804 - ENVIRONMENTAL GEOLOGY AND GIS ANALYSIS Conoscenti(PO)	6	2	V	GEO/04	В
18183 - POLLUTION PHENOMENA AND ENVIRONMENTAL RECLAMATION TECHNOLOGIES Cosenza(RD)	6	2	V	ICAR/03	В
15406 - REMOTE SENSING AND TERRITORIAL INFORMATION SYSTEMS Maltese(RD)	6	2	V	ICAR/06	В
20691 - ENGLISH LANGUAGE SKILLS - EQUIVALENT TO LEVEL B2	3	2	G		F

63

Subjects 2 ° year	CFU	Sem.	Val.	SSD	TAF
22541 - ENVIRONMENTAL DECONTAMINATION Lazzara(PO)	6	1	V	CHIM/02	С
19805 - GEOCHEMISTRY OF SURFACE PROCESSES	6	1	V	GEO/08	В
22567 - ENVIRONMENTAL MANAGEMENT AND BIODIVERSITY LEGAL PROTECTION Gullo(PO)	6	2	V	IUS/10	С
13121 - PRACTICE	6	2	G		F
05917 - FINAL EXAMINATION	21	2	G		Е
Free subjects	12				D

57

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