



DEGREE PROGRAM ACADEMIC YEAR 2018/2019						
CLASS L-32 - Science and technology for the environment and nature (D.M. 270/04)						
Degree Course: ENVIRONMENTAL SCIENCES AND CIVIL PROTECTION						
	SUBJECT	Tipologia	SETTORE	CFU	Tot CFU	Tot. ore
FIRST YEAR						
1	MATHEMATICS	Base	MAT/05		7	56
<i>COMBINED COURSE: CHEMISTRY</i>						
2	> GENERAL CHEMISTRY	Base	CHIM/03	6	12	96
	> ORGANIC CHEMISTRY	Base	CHIM/06	6		
3	PHYSICS	Base	FIS/07		8	64
4	FUNDAMENTALS OF EARTH SCIENCES	Caratt.	GEO/01		8	64
5	FUNDAMENTALS OF BIOLOGY	Caratt.	BIO/06		7	56
<i>COMBINED COURSE: ANIMAL AND PLANT BIODIVERSITY</i>						
6	>BOTANY	Caratt.	BIO/05	6	12	96
	>ZOOLOGY	Caratt.	BIO/01	6		
	ENGLISH	LS			4	
				Totale CFU	58	
SECOND YEAR (to be activated 2019/2020)						
7	GEOGRAPHY OF RISK AND DISASTERS	Caratt.	M-GGR/01		7	56
8	ENVIRONMENTAL THERMAL SCIENCE	Aff.	ING-IND/11		7	56
9	FUNDAMENTALS OF ECOLOGICAL SYSTEMS ANALYSIS	Caratt.	BIO/07		8	64
10	FUNDAMENTALS OF OCEANOGRAPHY, METEOROLOGY AND CLIMATE	Caratt.	GEO/12		6	48
11	GEOLOGIC AND GEOMORPHOLOGICAL CARTOGRAPHY	Caratt.	GEO/02		6	48
12	ENVIRONMENTAL MICROBIOLOGY	Aff.	AGR/16		7	56
<i>COMBINED COURSE: ANALYTICAL AND ENVIRONMENTAL CHEMISTRY</i>						
13	> ANALYTICAL CHEMISTRY FOR ENVIRONMENT AND SAFETY	Base	CHIM/01	7	14	112
	>APPLIED CHEMISTRY FOR ENVIRONMENTAL PROTECTION	Caratt.	CHIM/01	7		
14	STATISTICS FOR EXPERIMENTAL SCIENCES	Base	SECS-S/02		5	40
15	LAW AND ENVIRONMENTAL LEGISLATION	Altre	IUS/10		3	24
				Totale CFU	63	
THIRD YEAR (to be activated 2020/2021)						
15	ECOTOXICOLOGY AND ENVIRONMENTAL IMPACT ASSESSMENT	Aff.	BIO/13		7	56
16	ICT FOR EMERGENCY AND ENVIRONMENTAL PROTECTION	Base	GEO/04		6	48
17	FORECASTING AND PREVENTION OF NATURAL DISASTER	Base	GEO/04	6	7	56
		Altre	INF/01	1		
18	APPLIED ECOTECHNOLOGY	Caratt.	BIO/07		8	64
19	CIVIL PROTECTION ORGANIZATION	Caratt.	IUS/14		6	48
	OPTIONAL CREDITS *				12	/
	PRACTICAL TRAINING				5	/
	FINAL EXAM				8	/
				Totale CFU	59	
20 COURSES FOR OPTIONAL CREDITS *						
	ANALYSIS OF POLLUTANTS **	D	CHIM/01		6	48
	SANITARY EMERGENCIES **	D	MED/41		6	48
	ENVIRONMENTAL RECOVERY TECHNIQUES	D	ING-IND/26		6	48
	APPLIED ZOOLOGY	D	BIO/05		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

> Sanitary emergencies

> Analysis of pollutants

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

d) to take the third year examinations students have to have passed the English Language test