



MASTER DEGREE IN ENVIRONMENTAL AND LAND ENGINEERING

CLIMATE CHANGE



ACADEMIC YEAR:

2022/2023



SITE:

Main Campus
Corso Duca degli Abruzzi



LANGUAGE:

English



DURATION:

2 years

1st YEAR

Semester	Subject	ECTS
1	APPLIED HYDROLOGY / ENVIRONMENTAL FLUID MECHANICS	12
1	CLIMATE CHANGE MITIGATION	6
1	THE CLIMATE SYSTEM	8
1/2	ELECTIVE COURSES	6
2	ENVIRONMENTAL SPATIAL ANALYSIS	6
2	RENEWABLE ENERGY RESOURCES	6
2	LANDSLIDES AND SLOPE ENGINEERING	6
2	REMOTE SENSING / APPLIED GEOPHYSICS	12

2nd YEAR

Semester	Subject	ECTS
1	GROUNDWATER ENGINEERING	8
1	RESOURCES AND ENVIRONMENTAL SUSTAINABILITY	8
1/2	ELECTIVE COURSES	12
2	INNOVATION LAB FOR CLIMATE CHANGE	6
2	CLIMATE CHANGE ADAPTATION	8
2	FINAL DISSERTATION	16

TABELLA CREDITI LIBERI / ELECTIVE COURSES

Year	Exam	ECTS	TUTELA AMBIENTALE	RISCHI NATURALI PROTEZIONE CIVILE	GEOENGINEERING	CLIMATE CHANGE
1/2	PROFESSIONAL TRAINING	6	✓	✓	✓	✓
1/2	STUDENT TEAMS	6	✓	✓	✓	✓
1/2	CHALLENGE	8	✓	✓	✓	✓
1	CANTIERI PER INFRASTRUTTURE	8			✓	
1	RAW AND WASTE MATERIAL ENGINEERING	8	✓	✓	✓	
1	GIS MODELING FOR CITY AND LAND	6	✓	✓	✓	✓
2	ENVIRONMENTAL SPATIAL ANALYSIS	6	✓	✓	✓	
2	GEOTHERMAL ENERGY	6				✓
2	GEOLOGIA TECNICA AMBIENTALE	6	✓	✓	✓	
2	PROJECT MANAGEMENT	6				✓
2	TUNNELING	6	✓	✓		
2	ENVIRONMENTAL MANAGEMENT OF SOIL, WATER AND GROUNDWATER IN GEOENGINEERING	6			✓	
2	FIXATION AND RECYCLE OF CO ₂ FOR GREENHOUSE EFFECT MITIGATION	6				✓
2	VALUTAZIONE DEL DANNO AMBIENTALE E COMPATIBILITÀ	6	✓	✓	✓	
2	VALUTAZIONE E GESTIONE DEL RISCHIO NELL'INDUSTRIA E NEI CANTIERI	12	✓	✓	✓	
2	DESIGN OF TRANSPORTATION INFRASTRUCTURES	6				✓
2	SEISMIC RISK AND SPATIAL PLANNING	6	✓	✓	✓	
2	NUMERICAL METHODS IN GEOTECHNICAL ENGINEERING	8			✓	
2	PROGETTAZIONE PER L'AMBIENTE E IL TERRITORIO	6			✓	