Department of Mathematics, Computer Sciences, Physics, and Earth Sciences
University of Messina

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'Geophysical Sciences for Seismic Risk'

Degree Class LM-79 (Geophysical Sciences)

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Academic Year 2020/2021

I year

Subject	T.A.F.	ECTS	SSD	Semester	Type of lesson	Hours	Number of exams
Physics of environmental processes	B	8	FIS/01	I	LT+EL (6+2)	60	1
Prevention of earthquake disasters Mod.A - Seismic monitoring and surveillance Mod.B - Seismic Risk	B	6+6	GEO/10	I	LT+EL (4+2) LT+EL (4+2)	48 48	1
Scientific computing and applications	C	6	MAT/08	I	LT+EL (4+2)	48	1
Additional language skills	F	4		I	EL(4)	48	
Earth shallow structure and seismic response Mod.A- Active and Passive Seismology Mod.B - Laboratory of Seismic Data Processing and Field Campaign	B	6+6	GEO/10 GEO/11	II	LT+EL (2+4) LT+EL (2+4)	60 60	1
Environmental Geology	B	6	GEO/04	II	LT+EL (4+2)	48	1
Fundamentals and Applications of Petrology	B	6	GEO/07	II	LT (6)	36	1
Geophysical Tools Mod.A - Geophysical Observation Methods and Remote Sensing Mod.B - Oceanography	B	6+6	GEO/10 GEO/12	II	LT+EL (4+2) LT+EL (4+2)	48 48	1
Total		**66**					**7**

II year

Subject	T.A.F.	ECTS	SSD	Semester	Type of lesson	Hours	Number of exams
Quaternary geology and active tectonics or Applied Geology and Land Use	B	6	GEO/02 GEO/05	I	LT+EL (4+2)	48	1
Physics for cultural heritage protection	B	6	FIS/07	I	LT+EL (4+2)	48	1
Dynamics of structures	C	6	ICAR/08	I	LT+EL (4+2)	48	1
Seismo-induced Chemical Risk	C	6	CHIM/04	I	LT+EL (4+2)	48	1
Student choice disciplines and/or activities	D	8					1
Training course	F	4		II			
Thesis	E	18		II			
Total		**54**					**5**

S.S.D. = scientific disciplinary field, TAF = type of training activity, B = distinctive learning activity, C = related or complementary learning activity, D = student choice disciplines, E = graduation thesis, F = others knowledge, LT= Lecture, EL= Practical and Fieldwork.