

Curricula and study plan (general structure) 2020-2021

Reduction Of Seismic Risk (ROSE)		First semester					Second semester				
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 1	Month 2	Month 3	Month 4	Month 5
1 st year	<i>Series</i>	Dynamics of Structures (H.Sucuoglu-METU Ankara **)	Design of RC Structures (B.Mihaylov – U. de Lièges **)	Applied Mathematics (L.Tamellini IMATI-CNR**)	Computational Mechanics (A.Reali + G.Scalet)	Probability and Statistics (P.Bazzurro + P.Venini)	Foundation engineering and Earth Retaining Structures (S.Foti** PoliTO)	Seismic Hazard and Engineering Seismology (V.Poggi – OGS **)	Nonlinear Response Analysis (**)	Fundamentals of Seismic Design (R.Monteiro+ G.O'Reilly)	-
	<i>Parallel</i>	-					Geotechnical Earthquake Engineering (C.G..Lai)				
2 nd year	<i>Series</i>	Seismic Risk (P.Bazzurro + D.Vamvatsikos ** + M.Ordaz**)	1 choice	Bridge structures (G.M. Calvi)	Masonry structures (G.Magenes)	1 choice	Thesis				
	<i>Parallel</i>	-									

<i>Choices</i>	Steel Structures (G.Della Corte)	Geomatics and GIS a – (A.Taramelli)	-Seismic Isolation (A.Filiatrault)	-Risk Emergency Management and Legislation (A.Monti + M.Moratti + L.Velliscig)	Geomatics and GIS –b (A.Taramelli)

Mathematics and statistics	
Solid and structural mechanics	
Structural/geotechnical design and assessment	
Hazard and risk analysis	
Complementary	