

Courses offered (general structure) 2024-2025

Reduction Of Seismic Risk		First semester					Second semester				
		Month 1 (Sept-Oct)	Month 2 (Oct-Nov)	Month 3 (Nov-Dec)	Month 4 (Jan)	Month 5 (Feb)	Month 1	Month 2	Month 3	Month 4	Month 5
1st year	<i>Series</i>	Dynamics of Structures (G.O'Reilly, G.Scalet)	Reinforced Concrete Structures (P.Calvi U.of Washington*, G. Guerrini)	Computational Mechanics (S.Morganti)	Probability and Statistics for Eng Appl (P.Bazzurro, P.Venini)	<i>Exams (Probability and Statistics + possible others)</i>	Seismic Hazard and Applied Seismology (V.Poggi – OGS Trieste*)	Foundation Engineering and Earth Retaining Structures (R.Cosentini, Polit. of Turin*)	Fundamentals of Seismic Design (R.Monteiro)	Nonlinear Response Analysis (D.Lignos, EPFL Lausanne*)	
	<i>Parallel</i>	Applied Mathematics (M.					Geotechnical Earthquake Engineering (C.G..Lai)				
2nd year	<i>Series</i>	Risk Assessment and Loss Estimation (P.Bazzurro + D.Vamvatsikos NTU Athens * + M.Kohrangi)	1 choice ■	Bridge structures (G.M. Calvi)	Masonry structures (G.Magenes, F.Graziotti)	1 choice ■■	Thesis				
	<i>Parallel</i>	-									

<i>Choices</i>					Seismic Isolation and Dissipation (A.Pavese-M.Furinghetti) ■■		Risk Emergency Management and Legislation (A.Monti at al.) ■■ 3 CFU			
		Steel Structures (R.Nascimbene) ■			Sustainability Science in the Built Environment ■■ 3CFU		Systemic risk and indirect impacts (M. Arosio) ■■ 2(April-July) 3 CFU			

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