

Code	SIE566
Name	Fragility-Analysis Based Structural Reliability for Sustainable Structures
Hour per week	3(3 + 0)
Credit	3
ECTS	7,5
Level/Year	Graduate
Semester	Fall or Spring
Type	Elective
Prerequisites	
Coordinator(s)	
Description:	This course consists of the fundamental background about the structural design types defined in structural design codes, definition of ultimate limit state functions, determination of reliability of structures, push-over analysis, Monte-Carlo Simulation method, fragility analysis of structures which expose to random earthquake or wind loads to build sustainable structures.