

Code	SIE565
Name	Computational Analysis of Randomness in Structural Mechanics
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 general randomness concepts in structural mechanics, the fundamental knowledge on probability theory and concepts of statistics, response surfaces and regression analysis, mechanical vibrations under random loading, different responses of different structures under random loading and calculation of probability of collapse of structures within the scope of this course.