

Code	SIE567
Name	Structural Health Monitoring
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 fundamental information in structural health monitoring (SHM), necessities of SHM systems for structures, fields of the applications of the SHM systems, data acquisition, non-destructive testing methods, design of measurement setups, analytical simulations within finite element methods, modal analysis, basic signal processing, feature extraction, data normalization, and damage detection.