

Code	SIE563
Name	Finite Element Modeling for 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:	Basic principles of finite element method, application of direct stiffness method to one dimensional problems, prismatic bars under axial loads, bending of beams, solution of two dimensional problems for planar structures, modeling and analysis of three dimensional solid materials and structures with finite element method in computers will be covered in this course.