

Course Title-Course Code: CE 550 SOIL IMPROVEMENT TECHNIQUES							Name of the Programme:CIVIL ENGINEERING		
Semester	Teaching Methods							Credits	
	Lecture	Recite	Lab.	Field Study	H W	Other	Total	Credit	ECTS Credit
1-2	42	0	0	0	56	90	188	3	7.5
Language	Turkish								
Compulsory / Elective	Elective								
Prerequisites	-								
Course Contents	Introduction to soil modification systems; mechanical modification, hydraulic modification, soil confinement (nailing, reinforcement, geotextiles), chemical and physical modifications								
Course Objectives	Introduction of practical, technical aspects of all stages of soil modification systems from planning to the application of a project .								
Learning Outcomes and Competences	Understanding the principles and the procedures of soil modification procedures and ability of the which method is to be used in which kind of modification problem								
Textbook and /or References	- Engineering principles of ground modification, Manfred R. Hausman, McGraw-Hill Publishing Company								
Assessment Criteria								<i>If any, mark as (X)</i>	Percent (%)
	Midterm Exams							X	30
	Quizzes								
	Homeworks								
	Projects								
	Term Paper							X	30
	Laboratory Work								
	Other								
	Final Exam							X	40
Instructors	Prof. Dr. Murat MOLLAMAHMUTOĞLU								