

Course Title-Course Code: CE 603 DEEP EXCAVATION and RETAINING STRUCTURES 2							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	42	104	188	3	7.5
Language	Turkish								
Compulsory / Elective	Optional								
Prerequisites	-								
Course Contents	Excavation classifications subjected to different pricing, excavation unit prices by soil classes, non-braced cuts, protection of excavation slopes, lateral earth pressure, classic methods of braced cut, value and distribution of lateral earth pressure that effect retaining structures, water problems in excavation, methods of braced cut (in water), soil nail and design of soil nailing.								
Course Objectives	Calculation and design methods of retaining Structures with anchorage and freezing methods								
Learning Outcomes and Competences	Usage of a special topic in geotechnical engineering								
Textbook and /or References	Research papers in english and german language Standars : DIN 4014, DIN 4125, DIN 4128, TS 1537 Soil investigation and Foundation design, Prof. Dr. Sönmez YILDIRIM (in turkish)								
Assessment Criteria								<i>If any, mark as (X)</i>	Percent (%)
	Midterm Exams							X	20
	Quizzes								-
	Homeworks							X	10
	Projects								-
	Term Paper								-
	Laboratory Work								-
	Other								-
	Final Exam							X	70
Instructors	Dr. dipl. ing. Ünsal SOYGÜR								