

T.C. MUNZUR ÜNİVERSİTESİ Lisansüstü Eğitim Enstitüsü Müdürlüğü

COURSE IDENTIFICATION FORM								
Course Code an FOUNDATION			Department of : MASTER'S PROGRAM IN CIVIL ENGINEERING WITH THESIS					
Semester	Theoretic Hour	Practice Hour	Total Hour	Credits	ECTS	Education Language	Type: Compulsory Elective	
Fall	3	0	3	3	5	Turkish	Optional	
Prerequ	isite (s)							
Instructor		Assist. Prof. Özlem ERDEM				Mail: osenerdem@munzur.edu.tr Web:		
Course Assistant		Mail : Web :						
Groups / Classes								
Course Aim		Explaining advanced theory and practice in Foundation Engineering to the student. It is aimed to introduce the newest technology in Foundation Engineering to the student.						
Course Goals								
 Soil investigation and field studies Slope stability Horizontal earth pressures and retaining structures Superficial foundations Deep foundations 				es				
Course Basic a Cont	-	 Lecture Notes Caduto, D.P., Foundation Design:Principles and Practices,Second Edition, Prentice Hall, 2001 Tomlinson, M.J., Foundation Design and Construction, prentice Hall, 2001 Bowles, J.E., Foundation Analysis and Design, McGraw Hill, 1997 Das, M.B., Principles of Foundation Engineering, Third ed., Int.Thompson Publ. 1995 						
Methods of G	ive a Lecture	Lecture, Discussion on case studies, Demonstration (telling and doing by showing, making the student do it)						



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Assessment Criteria			If Available, to Sign (x)	General Average Percentage (%) Rate				
		1. Quiz	X	50				
		2. Quiz						
		3. Quiz						
		4. Quiz						
		5. Quiz						
		Oral Examination						
		Practice Examination						
		(Laboratory, Project etc.)						
		Final Exam	X	50				
Semester Course Plan								
Week	Subjects							
1	Introduction to basic mechanics							
2	Land inspection							
3	Research studies in the field							
4	Slope stability problems							
5	Slope stability analysis							
6	Horizontal soil pressures							
7	Deep excavations and retaining structures							
8	MIDTERM EXAM							
9	Retaining structure dimensioning							
10	Surface foundations							
11	Surface foundation analysis							
12	Deep foundations							
13	Deep foundation analysis							
14	Foundation design with empirical methods							