

T.C. MUNZUR ÜNİVERSİTESİ Lisansüstü Eğitim Enstitüsü Müdürlüğü

COURSE IDENTIFICATION FORM									
Course Code an PROPERTIES (9 ENGINEERING		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	iisite (s)								
Instructor		Assist. Prof. Özlem ERDEM				Mail: osenerdem@munzur.edu.tr Web::			
Course Assistant		Mail : Web :							
Groups A	Groups / Classes								
Course Aim Course Goals		engineering applications, describing the engineering properties of soils and the factors that control these properties, identifying situations where the soil is a factor in engineering problems or environmental problems and understanding the parameters and limits of these parameters in solving such problems and developing skills and providing technical competence.							
Course Learning Outs and Proficiencies		 To master the experiments to determine the geomechanical properties of soils To be able to determine soil types Analyze the compaction process To be able to determine the permeability of soil To be able to comprehend the stress state in soils. To be able to analyze the settlement problem in soils both experimentally and theoretically. To be able to analyze the data of shear strength experiments. 							



T.C. MUNZUR ÜNİVERSİTESİ Lisansüstü Eğitim Enstitüsü Müdürlüğü

Course Basic and Auxiliary Contexts	 Lecture Notes McCarthy,D.F. (1993) Essentials of Soil Mechanics and Foundations, Prentice Hall Inc. Holtz, R.D. & Kovacks, W.D., (1981) An Introduction to geotechnical Engineering, Prentice Hall Inc. Lambe, T.W.&Whitman R.W. (1980) Soil Mechanics, John Wiley & Sons Inc. 	
Methods of Give a Lecture	Lecture, Discussion on case studies, Demonstration (telling and doing by showing, making the student do it)	

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 soil mechanics				
2	Soil structure and its components				
3	Soil classification methods				
4	Compaction				
5	Permeability of soils				
N. 17		T		T 1' T 1 C +00 (420) 212 17 04	

Munzur Üniversitesi Lisansüstü Eğitim Enstitüsü Müdürlüğü Aktuluk Mah. Üniversite Yerleşkesi Merkez / Tunceli Telefon: +90 (428) 213 17 94



T.C. MUNZUR ÜNİVERSİTESİ Lisansüstü Eğitim Enstitüsü Müdürlüğü

6	Effective stress, stress-deformation relationship in soil	
7	Stress in the soil mass	
8	MIDTERM EXAM	
9	Calculation of the amount and duration of seating	
10	Consolidation experiment	
11	Consolidation experiment evaluations	
12	Shear strength theory	
13	Shear strength tests	
14	Shear strength test evaluations	