

SOIL MECHANICS II

1	Course Title:	SOIL MECHANICS II
2	Course Code:	INS3072
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	1
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi YEŞİM SEMA ÜNSEVER
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	unsever@uludag.edu.tr
17	Website:	
18	Objective of the Course:	Gain the ability to understand the theory and to dExplanation of calculations and problem solutions interest with soil and structures, which are replaced on soil by using fundamental soil mechanic's concept such as consolidation theory, shear strength of soils, lateral earth pressure and slope stability.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To be capable to calculate consolidation settlement
	2	Identification of shear strength of soil
	3	To be able to calculate and analyze lateral earth pressures
	4	To be able to define the slope stability
	5	Gain the skill about defining the mechanical properties of soil by carrying out basic laboratory tests. And to be able to report the experiment results and evaluate them.
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21	Course Content:	
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Week	Theoretical	Practice
1	Introduction	Theory, Problem Session
2	Consolidation, Oedometer test	Theory, Problem Session
3	Consolidation, Settlement calculation	Theory, Problem Session
4	Consolidation, Settlement calculation	Theory, Problem Session

ÖK4	5	4	0	3	5	3	0	0	0	0	0	0	0	0	0	0
ÖK5	5	4	3	0	5	4	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							