

GEOLOGY FOR CIVIL ENGINEERING

1	Course Title:	GEOLOGY FOR CIVIL ENGINEERING	
2	Course Code:	INS1008	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Dr. Öğr. Üyesi MEHMET SABRİ DİRİM	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	sdirim@uludag.edu.tr, Tlf: 0.224. 2941537 Ziraat Fakültesi, C Blok,1. kat	
17	Website:		
18	Objective of the Course:	To teach how to use basic principles of the geology on civil Engineering applications.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Having basic knowledge on geology and analyze potential problems.
		2	Having knowledge of the structure and its generation of planet earth.
		3	Know formation and properties of rocks and minerals.
		4	Gain information about engineering properties of rock and earth mass.
		5	To know mineralogical, lithological, engineering geology and tectonic aspect of the of building site selection that to be considered.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction; Definiton of geology, history of geology, solar system and the planet earth		
2	General specifications of the planet earth		
3	Minerals		

4	Exemiation of minerals at the laboratory	
5	Rocks; Magmatic, sediments and metamorphic rocks	
6	Exemiation of rocks at the laboratory	
7	Engeneering properties of rocks	
8	Geological periods and maps	
9	Mid-term exam, assestment of course	
10	Epirogenik movements	
11	Orogenic movements	
12	Earthquakes	
13	Skelp tectonics	
14	Hydrogeology	

Activites	Number	Duration (hour)	Total Work Load (hour)
23. Assessment			
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preparation	1	30.00	2.00
Homeworks	0	0.00	0.00
Projects			
Home work-project	1	10.00	0.00
Field Studies	0	0.00	0.00
Mid-term exams	3	10.00	10.00
Others	0	0.00	0.00
Success Grade	1	10.00	10.00
Total Work Load			62.00
Total work load/ 30 hr	100.00		2.07
ECTS Credit of the Course			2.00

[illegible]

ÖK4	5	5	0	3	0	4	0	0	0	0	0	0	0	0	0	0
ÖK5	5	5	0	4	0	4	0	0	0	0	3	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							