

TOROS ÜNİVERSİTESİ

Vocational School
Construction Technology

Course Information

GEOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ITP 115	Fall	2	0	2	2

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Prof.Dr. Aziz ERTUNÇ
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	Basic topics and concepts related to geology, formation, composition, evolution, structure and rock properties of Yerkabuğu, studies on geological conditions affecting engineering applications
Contents of the Course	Yerkabuğunu minerals and rocks, geologic structures, tunnels, dams, highways, basic applications, such as the Earth's crust, groundwater and surface water interaction with the terms impact, the choice of materials. Evaluation of the risk of natural disasters such as earthquakes, landslides.

Learning Outcomes of Course

#	Learning Outcomes
1	The dealer reviews the rocks.
2	Explains the importance of geological science
3	The dam explains how the tunnels are made.
4	Faults classify underground and aboveground structures

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Course description, purpose and scope, general concepts	Expression
2	Yerkabuğunu forming minerals, properties.	Expression
3	Igneous rocks.	Expression
4	Sedimentary and metamorphic rocks. .	Expression
5	The geological structures (folds).	Expression
6	The geological structures (faults).	Expression
7	Hidrojeoloji	Expression
8	Midterm	Midterm
9	Heyelanlar	Expression
10	Dam geology	Expression
11	Tunneling geology	Expression
12	Basic Geology	Expression

13	Earthquake geology	Expression
14	Geology of the material	Expression
15	General repetition of courses	Expression
16	Final Exam	Final Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	General Geology, İhsan Ketün, 2005		
2	Engineering geology, Esena, 2012		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	The dealer reviews the rocks.	1,2,4	1,2
2	Explains the importance of geological science	1,2,4	1,2
3	The dam explains how the tunnels are made.	1,2,4	1,2
4	Faults classify underground and aboveground structures	1,2,4	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	6	6
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	1	1
				60

