

COURSE LIST Faculty of Engineering and Architecture

Geology Engineering Dept.

Course Title	Code	ECTS Credit	COMU Credit	Lecturer
Ore Deposits	ULP-04-020	5	3	Assoc. Prof. Dr. Özcan Yiğit
Technical English	ULP-04-021	4	2	Assoc. Prof. Dr. Özcan Yiğit
Plate Tectonics	ULP-04-022	5	3	Prof. Dr. Doğan Perinçek
Natural Hazards	ULP-04-023	5	3	Prof. Dr. Süha Özden
Geology of Turkey	ULP-04-046	5	3	Prof. Dr. Erdinç Yiğitbaş

Course Code	ULP - 04 - 020
Name of the Course in English	Ore Deposits
Name of the Course in Turkish	Maden Yatakları
Language of the Course	English
Level of the Course	(x) Undergraduate () Master () Doctorate
Lecturer	Doç. Dr. Özcan YİĞİT
ECTS Credit	5
COMU Credit	3
Description	Introduction to magmatic, hydrothermal and sedimentary metallic ore deposits, geochemical, petrological, structural, and sedimentological controls on ore deposits, description of classic ore deposit types, relation to plate tectonic setting, discussions on occurrence mechanisms (genetic modes), and

	application of these concepts to mineral exploration.
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Course Code	ULP - 04 - 021
Name of the Course in English	Technical English
Name of the Course in Turkish	Mesleki İngilizce
Language of the Course	English
Level of the Course	(x) Undergraduate () Master () Doctorate
Lecturer	Doç. Dr. Özcan YİĞİT
ECTS Credit	4
COMU Credit	2
Description	Course will introduce most common geological terms and their usage in engineering. In class discussion will be held on international scientific papers published on different subjects of geological engineering. The course will cover different subjects of geology to give introductory level terminology in the topic. Furthermore, class will emphasize importance of technical writing in Earth Science.

Course Code	ULP - 04 - 022
Name of the Course in English	Plate Tectonics
Name of the Course in Turkish	Plaka Tektoniği
Language of the Course	English
Level of the Course	(x) Undergraduate () Master

	() Doctorate
Lecturer	Prof. Dr. Doğan Perinçek
ECTS Credit	5
COMU Credit	3
Description	Plate tectonics is a theory that explains the movement and deformation of parts of the outer Earth. Its basis is the movement of rigid lithospheric slabs called plates over a less-rigid layer in the upper mantle. Each plate moves at a different rate and in a different direction. Each plate is continually in contact with those adjacent to it. At the plate margins where the plates meet, potential hazards exist for humans. In this course, each of these movements and their effects in terms of hazard will be examined.

Course Code	ULP - 04 - 023
Name of the Course in English	Natural Hazards
Name of the Course in Turkish	Doğal Afetler
Language of the Course	English
Level of the Course	(x) Undergraduate () Master () Doctorate
Lecturer	Prof. Dr. Süha Özden
ECTS Credit	5
COMU Credit	3
Description	Geological hazards vary in their power. Magnitude is the power of a destructive event such as an earthquake or hurricane. Hazards also differ in the size of the area affected. Some hazards such as landslides and surface collapse affect local areas. The dramatic increase in

	human population is degrading the environment, promoting development of geologic problems, and increasing injuries, property damage, and loss of life. In this lecture, the natural and human-affected hazards and the reasons accelerating them will be examined in detail.
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Course Code	ULP - 04 - 046
Name of the Course in English	Geology of Turkey
Name of the Course in Turkish	Türkiye Jeolojisi
Language of the Course	English
Level of the Course	(x) Undergraduate () Master () Doctorate
Lecturer	Prof. Dr. Erdinç Yiğitbaş
ECTS Credit	5
COMU Credit	3
Description	General frame of geology of Turkey. Introduction of Tethyan System (Paleotethyan and Neotethyan). Suture Zones of Turkey and its development. Main Tectonic Units of Turkey. Metamorphic Massive of Turkey. Non-metamorphic basement rocks of Turkey. Geology of Pontide Belt. Geology of Tauride Belt. Geology and Tectonic evolution of SE Anatolian Orogenic Belt. Neotectonic features of Turkey. An overview to young magmatic regime in Turkey.