

## GEOLOGY ENGINEERING PROGRAMME COURSES-PROGRAMME OUTCOMES RELATIONSHIP

Course Code	Course Name	T	P	ECTS	Programme Outcomes															
					1	2	3	4	5	6	7	8	9	10						
	<b>1st Semester</b>																			
MUH5001	<a href="#">SCIENTIFIC RESEARCH METHODS</a>	2	0	6	5	4	0	3	3	0	0	2	4	0						
JEO5003	<a href="#">SPECIAL TOPICS-I</a>	5	0	10	5	5	5	5	5	5	5	5	5	5						
JEO5005	<a href="#">THESIS RESEARCH</a>	0	1	20	5	5	5	5	5	5	5	5	5	5						
JEO5007	<a href="#">SEMINAR*</a>	0	2	6	5	5	5	5	5	5	5	5	5	5						
JEO5101	<a href="#">ANALYSIS METHODS OF HEAVY MINERALS</a>	2	0	6	5	5	3	4	3	4	3	4	4	4						
JEO5103	<a href="#">ADVANCED METALOGENY</a>	2	0	6	3	5	2	0	4	5	0	2	4	2						
JEO5105	<a href="#">CARBONATE ROCK PETROLOGY-I</a>	2	0	6	5	4	1	5	4	5	3	2	5	4						
JEO5107	<a href="#">GEOCHEMISTRY AND PETROLOGY OF VOLCANIC ROCKS</a>	2	0	6	1	4	2	3	4	2	0	4	2	2						
JEO5109	<a href="#">NATURAL BUILDING MATERIALS</a>	2	0	6	1	4	2	3	4	2	0	4	3	3						
JEO5111	<a href="#">GEOLOGICAL METHODS AT SEARCHING MINING</a>	2	0	6	5	5	5	4	3	4	3	5	5	4						
JEO5113	<a href="#">GLOBAL WARMING AND GEOLOGY</a>	2	0	6	4	5	2	5	3	5	5	5	5	4						
JEO5115	<a href="#">ADVANCED SOIL MECHANICS-I</a>	2	0	6	2	4	2	3	3	3	1	3	4	3						
JEO5117	<a href="#">MICROTECTONIC ANALYSIS</a>	2	0	6	4	4	3	4	3	5	3	4	5	4						



JEO6005	<u>THESIS RESEARCH</u>	0	1	20	5	5	5	5	5	5	5	5	5	5
JEO6007	<u>DOCTORAL QUALIFICATION***</u>	0	0	30	5	5	5	5	5	5	5	5	5	5
JEO6101	<u>DISCONTINUITY ANALYSIS AND ROCK MASS CLASSIFICATION SYSTEMS</u>	3	0	10	3	4	4	3	4	3	1	3	4	4
JEO6103	<u>WEAK ROCK ENGINEERING</u>	3	0	10	3	5	3	4	3	3	1	4	5	4
JEO6105	<u>GEOCHEMICAL EVOLUTION OF GEOTHERMAL SYSTEMS</u>	3	0	10	5	5	5	5	5	5	5	5	5	5
JEO6107	<u>METALLOGENESIS OF CHROMITE ORE DEPOSITS</u>	3	0	10	5	5	4	4	4	5	4	3	4	4
JEO6109	<u>USAGE OF STABLE ISOTOPES IN ORE DEPOSITS</u>	3	0	10	0	5	2	1	0	5	0	3	0	0
JEO6111	<u>GOLD GEOLOGY, MINERALOGY AND GEOCHEMISTRY</u>	3	0	10	5	4	4	5	3	4	5	4	4	5
JEO6115	<u>ALTERATION MINERALOGY</u>	3	0	10	3	3	5	5	5	4	5	4	5	5
JEO7001	<u>ADVANCED PLATE TECTONIC</u>	3	0	8	5	5	3	5	2	5	3	4	5	4
JEO7003	<u>ADVANCED ORE MICROSCOPY</u>	3	0	8	5	5	3	4	3	4	3	4	4	4
JEO7005	<u>MEDICAL GEOLOGY</u>	3	0	8	5	3	3	5	5	4	4	2	5	4

2nd Semester	
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JEO5004	<a href="#">SPECIAL TOPICS-II</a>	5	0	10	5	5	5	5	5	5	5	5	5	5
JEO5006	<a href="#">THESIS RESEARCH</a>	0	1	20	5	5	5	5	5	5	5	5	5	5
JEO5008	<a href="#">SEMINAR</a>	0	2	6	5	5	5	5	5	5	5	5	5	5
JEO5102	<a href="#">EVALUATION OF THE GEOCHEMICAL DATA</a>	2	0	6	0	5	4	0	0	2	0	0	0	0
JEO5104	<a href="#">ADVANCED MINERAL DEPOSITS GEOLOGY</a>	2	0	6	5	5	4	4	4	5	4	3	4	5
JEO5106	<a href="#">CARBONATE ROCK PETROLOGY-II</a>	2	0	6	5	4	1	5	4	5	3	2	5	4
JEO5108	ADVANCED GEOTHERMAL ENERGY	2	0	6	4	4	5	5	4	5	5	4	4	5
JEO5110	<a href="#">ADVANCED FIELD GEOLOGY</a>	2	0	6	4	2	2	3	3	4	1	2	3	2
JEO5112	SOIL IMPROVEMENT	2	0	6	3	4	2	3	4	3	1	4	4	4
JEO5114	<a href="#">NATURAL ZEOLITES</a>	2	0	6	5	4	4	5	4	4	3	5	5	4
JEO5116	<a href="#">ADVANCED X-RAY DIFFRACTION</a>	2	0	6	4	4	3	5	4	4	5	5	4	5
JEO5118	<a href="#">ACTIVE TECTONIC</a>	2	0	6	5	5	3	5	3	5	3	3	4	3
JEO5120	<a href="#">ANALYSIS METHODS USED IN EARTH SCIENCES</a>	2	0	6	5	4	3	4	4	3	3	4	3	4
JEO5122	<a href="#">GEMOLOGY</a>	3	0	8	5	4	3	4	4	4	4	3	4	5
JEO5124	GEOCHEMISTRY OF MAGMATIC ROCKS	3	0	8	5	4	3	4	4	4	4	4	5	3
JEO5126	<a href="#">SILISILACTIC ROCK PETROLOGY-II</a>	3	0	8	5	4	1	5	4	5	3	2	5	4
JEO5128	<a href="#">ADVANCED MINERAL DEPOSITS</a>	3	0	8	5	5	4	4	4	4	4	3	3	4

JEO5132	<a href="#">CENTRAL ANATOLIAN VOLCANICS</a>	2	0	6	1	4	2	3	4	2	0	4	2	2
JEO5134	<a href="#">ENGINEERING GEOLOGICAL MAPPING</a>	2	0	6	4	4	2	4	4	5	1	3	4	3
JEO5136	<a href="#">ADVANCED SOIL MECHANICS-II</a>	2	0	6	2	4	2	3	3	3	1	3	4	3
JEO5138	<a href="#">GEOLOGICAL SITING OF CRITICAL FACILITIES</a>	3	0	8	3	3	3	4	3	4	3	4	3	4
JEO5142	<a href="#">GEOLOGY OF EARTHQUAKE</a>	3	0	8	5	4	2	3	2	2	1	3	5	4
JEO5144	<a href="#">REGIONAL NEOTECTONIC</a>	3	0	8	4	4	4	4	5	4	4	4	5	4
JEO5146	<a href="#">GEODYNAMICS</a>	2	0	6	4	5	2	5	5	5	2	4	4	1
JEO5148	<a href="#">FLUID INCLUSION</a>	3	0	8	4	5	4	3	5	5	2	4	4	3
JEO5150	<a href="#">TRACE ELEMENTS GEOCHEMISTRY</a>	3	0	8	4	5	4	5	4	5	5	5	5	5
JEO6002	<a href="#">SEMINAR**</a>	0	2	6	5	5	5	5	5	5	5	5	5	5
JEO6004	<a href="#">SPECIALIZED FIELD COURSE-II</a>	5	0	10	5	5	5	5	5	5	5	5	5	5
JEO6006	<a href="#">THESIS RESEARCH</a>	0	1	20	5	5	5	5	5	5	5	5	5	5
JEO6008	<a href="#">DOCTORAL QUALIFICATION</a>	0	0	30	5	5	5	5	5	5	5	5	5	5
JEO6102	<a href="#">IZOTOPE GEODYNAMIC</a>	3	0	10	0	5	2	1	0	5	0	3	0	0
JEO6104	<a href="#">ADVANCED GEOLOGY OF TURKEY</a>	3	0	10	3	5	2	5	4	3	5	5	5	4
JEO6106	<a href="#">GEOLOGY OF THE OPHIOLITE</a>	3	0	10	5	5	4	4	4	5	3	4	4	3

JEO6108	<a href="#">CRYSTAL CHEMISTRY</a>	3	0	10	4	4	4	3	3	4	4	3	4	4
JEO6110	<a href="#">ROCK MECHANICS EVALUATION</a>	3	0	10	4	5	2	3	4	2	2	3	4	3
JEO6112	<a href="#">ORIGIN AND USAGE AREA OF CLAY MINERALS</a>	3	0	10	4	4	3	5	4	3	5	4	4	5
JEO6114	<a href="#">ADVANCED ELECTRON MICROSCOPY METHODS</a>	3	0	10	3	5	3	2	2	2	0	4	3	1
JEO6116	<a href="#">TEXTURAL PROPERTIES OF ROCKS</a>	3	0	10	3	3	4	5	5	4	5	5	5	5
JEO6118	<a href="#">METHODS ON CLAY MINERALS ANALYSIS</a>	3	0	10	4	4	3	5	4	4	5	5	4	5
JEO6120	<a href="#">QUATERNARY SCIENCE</a>	3	0	10	4	3	4	5	5	5	5	5	4	1
JEO7002	<a href="#">ENGINEERING GEOLOGY APPLICATIONS</a>	3	0	8	5	5	5	4	2	4	2	4	4	4
JEO7004	<a href="#">HYDROTHERMAL SYSTEMS</a>	3	0	8	2	4	0	2	4	5	0	1	3	0

**\* Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest**