

TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

					Programme Outcomes									
Course Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10
1st Year - 1st Semester														
JEO1001	Mathematics I	4	2	6	5	4	0	0	3	0	0	2	0	0
JEO1003	Physics I	3	1	5	5	4	0	0	3	0	0	2	0	0
JEO1005	General Chemical	2	1	4	5	4	0	0	0	0	0	2	0	0
JEO1007	Linear Algebra	3	0	3	5	4	0	0	0	0	0	0	0	0
JEO1009	Introduction to Geological Engineering	2	0	2	5	1	1	4	0	1	0	3	5	2
YDL1013	Foreign Language I	3	0	3	0	0	0	4	0	2	5	2	0	0
ATA1015	Atatürk Principles and the History of Revolution I	2	0	2	0	0	0	0	0	0	0	4	4	5
TDL1011	Turkish Language I	2	0	2	0	0	4	0	0	0	5	0	0	5
ENF1021	Basic Computer	2	2	3	5	5	5	4	5	4	0	4	0	5
1st Year - 2nd Semester														
JEO1002	Mathematics II	4	2	6	5	4	0	0	3	0	0	2	0	0
JEO1004	Physics II	2	1	4	5	4	0	0	3	0	0	2	0	0
JEO1006	Computer Supported Technical Drawing	2	1	5	5	5	5	4	5	4	0	4	0	5
JEO1008	Computer Programming	2	0	3	5	5	5	4	5	4	0	4	0	5

JEO1010	General Geology	3	1	5	4	2	1	3	2	1	0	3	5	2
YDL1014	Foreign Language II	3	0	3	0	0	0	4	0	2	5	2	0	0
ATA1016	Atatürk Principles and the History of Revolution II	2	0	2	0	0	0	0	0	0	0	4	4	5
TDL1012	Turkish Language II	2	0	2	0	0	4	0	0	0	5	0	0	5
2nd Year - 3rd Semester														
JEO2001	Geostatistics	3	0	4	5	4	1	1	4	2	1	3	4	2
JEO2003	Structural Geology	3	1	5	5	3	3	4	4	2	1	2	4	2
JEO2005	Crystallography	3	0	4	5	3	4	3	5	4	3	3	4	4
JEO2007	Principles of Stratigraphy	2	0	4	5	4	3	2	3	5	2	3	2	2
JEO2009	Sedimentology	3	0	4	5	5	1	5	4	5	1	3	4	4
	Technical Elective Course	3	0	6										
	Summer Practice	0	0	3										
2nd Year - 4th Semester														
JEO2002	Hydrogeology	2	1	5	4	4	3	4	5	4	3	4	4	5
JEO2004	Paleontology	2	1	4	4	1	1	1	3	4	4	4	4	3
JEO2006	Tectonics	2	1	4	5	4	3	4	4	4	1	4	5	4
JEO2008	Mineralogy	2	1	5	5	4	5	5	4	4	5	4	4	5
JEO2010	Optical Mineralogy	2	1	4	5	4	3	2	5	5	5	4	4	2
	Technical Elective Course	3	0	6										
	Summer Practice	0	0	2										
3rd Year - 5th Semester														
JEO3001	Rock Mechanics	2	1	5	5	4	3	3	5	4	3	3	5	5

JEO3003	Geochemistry	3	0	4	5	5	4	5	4	4	3	3	4	5
JEO3005	Strength of Materials	2	0	3	5	4	3	1	4	2	4	4	3	3
JEO3007	Petrography	3	1	5	5	4	3	1	3	3	5	5	3	2
	Technical Elective Course I	3	0	5										
	Technical Elective Course II	3	0	5										
	Summer Practice	0	0	3										
3rd Year - 6th Semester														
JEO3002	Geology of Fossil Fuels and Geophysical Methods	3	0	5	5	5	5	3	4	2	1	3	4	5
JEO3004	Ore Geology	3	0	4	5	5	4	1	5	3	2	5	5	4
JEO3006	Petrology	3	0	4	3	5	4	2	5	2	2	4	4	3
JEO3008	Field Application in Geology	1	2	4	5	5	1	2	1	5	1	5	4	1
	Technical Elective Course I	3	0	5										
	Technical Elective Course II	3	0	5										
	Summer Practice	0	0	3										
4th Year - 7th Semester														
JEO4001	Senior Thesis	0	2	5	5	5	5	5	5	5	5	5	5	5
JEO4003	Soil Mechanics	2	1	5	5	4	3	5	4	4	3	5	4	4
JEO4005	Ore Deposits	3	1	6	5	4	1	2	3	3	2	2	4	3
	Technical Elective Course I	3	0	5										
	Technical Elective Course II	3	0	5										
	General Elective Course	2	0	4										
4th Year - 8th Semester														
JEO4001	Senior Thesis	0	2	5	5	5	5	5	5	5	5	5	5	5
JEO4004	Engineering Geology and	2	2	6	5	5	4	4	4	5	3	4	4	4

	Geotechnical Applications													
JEO4006	Field Geology	2	2	5										
	Technical Elective Course I	3	0	5										
	Technical Elective Course II	3	0	5										
	Social Elective Course	2	0	4										
2nd Year 3rd Semester Technical Elective Courses														
JEO2011	Geoparks and Geotourism	3	0	6	4	0	0	5	0	4	0	0	0	3
JEO2013	Production Drillings	3	0	6	4	3	3	3	2	4	2	5	4	5
JEO2015	Geothermal Geology	3	0	6	5	4	4	5	4	5	2	4	5	5
JEO2017	Geological Mapping Knowledge	3	0	6	5	2	2	1	4	5	1	4	4	2
2nd Year 4th Semester Technical Elective Courses														
JEO2012	Imaging Techniques for Petrography	3	0	6	3	5	5	3	5	3	3	4	3	3
JEO2014	Plate Tectonics	3	0	6	4	5	5	4	5	5	5	5	4	4
JEO2016	Mining Law and Permissions	3	0	6	3	3	3	3	3	4	5	5	5	3
JEO2018	Indicator in Mining	3	0	6	3	5	5	4	5	3	2	2	1	1
3rd Year 5th Semester Technical Elective Courses														
JEO3009	Introduction to Volcanology	3	0	5	4	3	3	4	3	3	3	4	3	3
JEO3011	Neotectonics	3	0	5	4	4	4	5	4	5	2	5	4	5
JEO3013	Applied Geochemistry	3	0	5	4	5	3	4	4	4	3	4	4	3
JEO3015	Landslide and Slope Stability	3	0	5	4	5	3	3	5	4	3	5	2	5
JEO3017	Precious Minerals and Rocks	3	0	5	4	3	3	3	2	3	4	4	4	3
JEO3019	Presentation Techniques in Earth Sciences	3	0	5	4	3	4	4	5	5	5	5	5	5
JEO3021	Industrial Raw Materials	3	0	5	5	4	4	5	4	4	4	5	5	4

JEO3023	Drilling Applications in Geotechnical Researches	3	0	5	4	4	3	5	3	4	5	3	5	5
3rd Year 6th Semester Technical Elective Courses (I. and II. Packages)														
JEO3012	Environmental Mineralogy	3	0	5	5	3	3	5	3	3	4	4	4	4
JEO3014	Morphotectonics	3	0	5	5	4	4	4	4	4	2	3	3	3
JEO3016	Mining Prospections And Mining Terminology	3	0	5	5	5	3	3	4	3	1	3	3	4
JEO3018	Dam and Tunnel Geology	3	0	5	5	5	4	4	5	3	4	3	3	3
JEO3020	Environmental Geochemistry	3	0	5	5	4	4	5	5	3	4	3	3	3
JEO3022	Determination Methods of Minerals and Rocks	3	0	5	5	5	4	3	4	3	4	4	5	3
JEO3024	Mathematical Modelling in Ore Deposits	3	0	5	5	5	2	3	5	3	3	4	4	3
JEO3026	Well Hydraulics	3	0	5	4	4	3	4	3	2	2	3	5	4
4th Year 7th Semester Technical Elective Courses (I. and II. Packages)														
JEO4007	Photogeology and Remote Sensing	3	0	5	4	4	4	1	4	3	2	3	2	4
JEO4009	Economic Evaluation of Mines	3	0	5	5	4	3	3	4	2	1	3	2	3
JEO4011	Geology of Construction Materials	3	0	5	4	4	5	5	4	5	3	4	5	4
JEO4013	Applied Mineralogy	3	0	5	5	4	4	3	3	4	5	4	4	5
JEO4015	Ceramic Raw Materials and Technology	3	0	5	5	3	3	4	3	4	4	4	4	4
JEO4017	Geology of Turkey	3	0	5	5	5	4	4	2	4	4	5	5	4
JEO4021	Ophiolite Hosted Ore Deposits	3	0	5	5	4	5	4	4	4	4	3	3	4
JEO4023	Hydrogeological Modelling	3	0	5	5	4	1	4	3	4	2	2	4	4
4th Year 7th Semester General Elective Courses														
JEO4025	Work Health and Safety	2	0	4	1	1	2	5	0	4	0	1	5	5

JEO4027	Occupational Ethic	2	0	4	4	4	4	4	4	4	4	4	5	5
JEO4029	Business Management	2	0	4	0	0	0	0	0	5	0	0	0	5
JEO4035	Entrepreneurship	2	0	4	0	0	0	0	0	4	0	0	0	5
JEO4037	Engineering Applications	2	0	4	5	4	4	4	4	4	5	4	5	5
4th Year 8th Semester Technical Elective Courses (I. and II. Packages)														
JEO4008	Ore Microscopy	3	0	5	5	4	5	3	3	4	4	5	4	5
JEO4010	Sedimentary Rock Petrography	3	0	5	5	5	1	4	5	4	1	4	4	1
JEO4014	Geological Geotechnical Survey Preparation Principles	3	0	5	5	4	4	4	5	5	3	5	5	5
JEO4016	Computer Applications in Petrography	3	0	5	5	5	4	3	5	5	4	5	5	3
JEO4018	Geotechnical Laboratory Experiments	3	0	5	5	4	4	5	3	1	4	5	4	4
JEO4022	Computer Applications in Ore Deposits and Geochemistry	3	0	5	5	5	4	4	3	4	4	5	5	4
JEO4024	Ore Deposits of Turkey	3	0	5	5	5	4	4	3	4	5	5	5	5
4th Year 8th Semester Social Elective Courses														
JEO4026	First Aid	2	0	4	2	0	0	5	0	4	0	4	4	4
JEO4030	Folk Dance	2	0	4	0	0	0	0	0	0	0	5	0	4
JEO4032	Lifetime Sport	2	0	4	0	0	0	5	0	0	0	4	0	4
JEO4034	Natural Disasters and Disaster Education	2	0	4	4	3	0	4	4	4	0	5	4	5
JEO4042	Photography	2	0	4	0	0	0	0	0	4	0	5	0	0
JEO4048	Art History	2	0	4	0	0	0	0	0	4	0	5	0	5
JEO4050	Traditional Turkish Handcrafts	2	0	4	0	0	0	0	0	0	0	0	0	0
JEO4058	Introduction to Sociology	2	0	4	0	0	0	0	0	0	0	5	4	5
JEO4064	History and Philosophy of Science	2	0	4	5	0	0	0	5	0	4	4	4	5

JEO4068	Urbanization Problems	2	0	4	5	5	5	5	5	5	5	5	5	5
JEO4074	Democracy and Human Rights	2	0	4	4	4	4	4	4	5	5	5	5	5
JEO4080	Communication	2	0	4	4	3	3	5	0	3	3	5	5	5
JEO4082	German	2	0	4	0	0	0	0	0	0	5	0	0	0
JEO4090	Academic Writing	2	0	4	5	5	5	5	5	5	5	5	5	5
JEO4092	Academic Writing	2	0	4	5	5	5	5	5	5	5	5	5	5
JEO4094	Chinese	2	0	4	0	0	0	0	0	0	0	0	0	0
JEO4096	Russian	2	0	4	0	0	0	0	0	0	0	0	0	0
JEO4098	Kazakh	2	0	4	0	0	0	0	0	0	0	0	0	0
* Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest														