

**POST GRADUATE 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>																			
FBE8001	SCIENTIFIC RESEARCH TECHNIQUES AND PUBLICATION ETHICS	3	0	8	5	4	0	3	3	0	0	2	4	0						
JEO6001	SPECIAL TOPICS-I	5	0	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
JEO6003	THESIS RESEARCH (THESIS PROPOSAL)	0	1	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
JEO6005	THESIS RESEARCH	0	1	30	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
JEO6007	SEMINAR	0	2	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
JEO6101	ANALYSIS METHODS OF HEAVY MINERALS	3	0	8	5	5	3	4	3	4	3	4	4	4	4	4	4	4	4	4
JEO6103	ADVANCED METALOGENY	3	0	8	3	5	2	0	4	5	0	2	4	2						
JEO6105	CARBONATE ROCK PETROLOGY-I	3	0	8	5	4	1	5	4	5	3	2	5	4						
JEO6107	GEOCHEMISTRY AND PETROLOGY OF VOLCANIC ROCKS	3	0	8	1	4	2	3	4	2	0	4	2	2						
JEO6109	NATURAL BUILDING MATERIALS	3	0	8	1	4	2	3	4	2	0	4	3	3						
JEO6111	GEOLOGICAL METHODS AT SEARCHING MINING	3	0	8	5	5	5	4	3	4	3	5	5	4						
JEO6113	GLOBAL WARMING AND GEOLOGY	3	0	8	4	5	2	5	3	5	5	5	5	4						
JEO6115	ADVANCED SOIL MECHANICS-I	3	0	8	2	4	2	3	3	3	1	3	4	3						
JEO6117	MICROTECTONIC ANALYSIS	3	0	8	4	4	3	4	3	5	3	4	5	4						
JEO6119	ADVANCED GEOGRAPHIC INFORMATION SYSTEMS	3	0	8	5	5	2	4	5	5	2	1	4	4						

JEO6121	INDUSTRIAL MINERALS	3	0	8	5	4	1	5	4	5	3	2	5	4
JEO6123	GEOCHEMISTRY OF RARE EARTH ELEMENTS	3	0	8	4	5	4	5	4	5	5	5	5	5
JEO6125	SILISILACTIC ROCK PETROLOGY-I	3	0	8	5	4	1	5	4	5	3	2	5	4
JEO6127	MAGMATIC PETROGENESIS	3	0	8	5	5	3	4	3	4	3	5	5	4
JEO6129	PYROCLASTIC ROCKS	3	0	8	5	5	3	4	4	4	3	5	4	4
JEO6131	ORE DEPOSITS CONNECTED TO PLATE TECTONICS	3	0	8	5	5	3	4	4	5	4	3	3	5
JEO6133	GEOBOTANY AND BIOGEOCHEMISTRY IN MINERAL EXPLORATION	3	0	8	0	5	0	0	4	5	0	0	3	0
JEO6135	RURAL AND URBAN GEOLOGY	3	0	8	3	4	3	4	4	3	0	4	5	3
JEO6137	SOIL TESTS AND EVALUATION	3	0	8	3	3	4	3	3	4	1	3	4	4
JEO6139	SOIL MECHANICAL TESTING IN SITU	3	0	8	1	4	2	3	4	2	0	4	3	3
JEO6141	STABILIZATION OF SLOPE AND ANALYSIS METHODS	3	0	8	5	4	4	4	3	5	4	4	3	5
JEO6143	ADVANCED GEOMORPHOLOGY	3	0	8	4	4	2	3	4	4	3	1	3	2
JEO6145	ADVANCED CLAY MINERALOGY AND GEOLOGY	3	0	8	4	4	2	4	3	3	5	4	5	4
JEO6147	METAMORPHIC PETROGENESIS	3	0	8	3	3	5	5	5	4	5	4	5	5
JEO6149	ORE FORMING PROCESSES	3	0	8	5	5	4	4	5	5	3	4	5	3
JEO6151	ADVANCED HYDROGENOLOGY	3	0	8	5	5	3	5	2	5	3	4	5	4

JEO8001	ADVANCED PLATE TECTONIC	3	0	8	5	5	3	4	3	4	3	4	4	4
JEO8003	MEDICAL GEOLOGY	3	0	8	5	3	3	5	5	4	4	2	5	4

2nd Semester															
JEO6002	SPECIAL TOPICS-II	5	0	2	5	5	5	5	5	5	5	5	5	5	5
JEO6004	THESIS RESEARCH (THESIS PROPOSAL)	0	1	2	5	5	5	5	5	5	5	5	5	5	5
JEO6006	THESIS RESEARCH	0	1	30	5	5	5	5	5	5	5	5	5	5	5
JEO6008	SEMINAR	0	2	6	5	5	5	5	5	5	5	5	5	5	5
JEO6102	EVALUATION OF THE GEOCHEMICAL DATA	3	0	8	0	5	4	0	0	2	0	0	0	0	0
JEO6104	ADVANCED MINERAL DEPOSITS GEOLOGY	3	0	8	5	5	4	4	4	5	4	3	4	5	
JEO6106	CARBONATE ROCK PETROLOGY-II	3	0	8	5	4	1	5	4	5	3	2	5	4	
JEO6108	ADVANCED GEOTHERMAL ENERGY	3	0	8	4	4	5	5	4	5	5	4	4	5	
JEO6110	ADVANCED FIELD GEOLOGY	3	0	8	4	2	2	3	3	4	1	2	3	2	
JEO6112	SOIL IMPROVEMENT	3	0	8	3	4	2	3	4	3	1	4	4	4	

JEO6114	NATURAL ZEOLITES	3	0	8	5	4	4	5	4	4	3	5	5	4
JEO6116	ADVANCED X-RAY DIFFRACTION	3	0	8	4	4	3	5	4	4	5	5	4	5
JEO6118	ACTIVE TECTONIC	3	0	8	5	5	3	5	3	5	3	3	4	3
JEO6120	ANALYSIS METHODS USED IN EARTH SCIENCES	3	0	8	5	4	3	4	4	3	3	4	3	4
JEO6122	GEMOLOGY	3	0	8	5	4	3	4	4	4	4	3	4	5
JEO6124	GEOCHEMISTRY OF MAGMATIC ROCKS	3	0	8	5	4	3	4	4	4	4	4	5	3
JEO6126	SILISILACTIC ROCK PETROLOGY-II	3	0	8	5	4	1	5	4	5	3	2	5	4
JEO6128	ADVANCED MINERAL DEPOSITS	3	0	8	5	5	4	4	4	4	4	3	3	4
JEO6130	ORIGIN AND USAGE AREA OF CLAY MINERALS	3	0	8	5	5	4	4	4	4	4	3	3	4
JEO6132	CENTRAL ANATOLIAN VOLCANICS	3	0	8	1	4	2	3	4	2	0	4	2	2
JEO6134	ENGINEERING GEOLOGICAL MAPPING	3	0	8	4	4	2	4	4	5	1	3	4	3
JEO6136	ADVANCED SOIL MECHANICS-II	3	0	8	2	4	2	3	3	3	1	3	4	3

JEO6138	GEOLOGICAL SITING OF CRITICAL FACILITIES	3	0	8	3	3	3	4	3	4	3	4	3	4
JEO6140	METHODS ON CLAY MINERALS ANALYSIS	3	0	8	5	4	2	4	5	5	0	1	4	4
JEO6142	GEOLOGY OF EARTHQUAKE	3	0	8	5	4	2	4	5	5	0	1	4	4
JEO6144	HYDROGEOCHEMISTRY	3	0	8	4	4	4	4	5	4	4	4	5	4
JEO6146	GEODYNAMICS	3	0	8	4	5	2	5	5	5	2	4	4	1
JEO6148	FLUID INCLUSION	3	0	8	4	5	4	3	5	5	2	4	4	3
JEO6150	TRACE ELEMENT GEOCHEMISTRY	3	0	8	4	5	4	5	4	5	5	5	5	5
JEO8002	ENGINEERING GEOLOGY APPLICATIONS	3	0	8	5	4	2	3	2	2	1	3	5	4
JEO8004	HYDROTHERMAL SYSTEMS	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