

M.Sc.Tech (AGL)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC1	3 1 0	4	Mineralogy	NGLC501
DC2	3 1 0	4	Applied Geochemistry	NGLC502
DC3	3 1 0	4	Solid Earth Geophysics	NGPC514
DC4	3 0 0	3	Methods of Structural Geology	NGLC503
DC5	3 0 0	3	Applied Sedimentology	NGLC504
DP1	0 0 2	1	Mineralogy and Geochemistry Practical	NGLC505
DP2	0 0 2	1	Methods of Structural Geology Practical	NGLC506
DP3	0 0 2	1	Sedimentology Practical	NGLC507
Total 21				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC6	3 0 0	3	Igneous Petrology	NGLC521
DC7	3 0 0	3	Metamorphic Petrology	NGLC522
DC8	3 0 0	3	Petroleum Geology	NGLC520
DC9	3 0 0	3	Programming in MATLAB	NGLC523
DC10	3 0 0	3	Coal Geology	NGLC515
DP4	0 0 2	1	Igneous Petrology Practical	NGLC524
DP5	0 0 2	1	Metamorphic Petrology Practical	NGLC525
DP6	0 0 2	1	Coal Geology and Petroleum Geology Practical	NGLC526
TR1	0 0 0	3	Sedimentary Field Training	NGLC527
Total 21				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC11	3 0 0	3	Engineering Geology	NGLC509
DC12	3 1 0	4	Hydrogeology	NGLC510
DC13	3 1 0	4	Geophysical Methods	NGPC513
DC14	3 0 0	3	Atmosphere, Ocean and Climate Dynamics	NGLC511
DC15	3 0 0	3	Micropaleontology and Vertebrate Palaeontology	NGLC514
DP8	0 0 2	1	Engineering Geology Practical	NGLC530
DP9	0 0 2	1	Hydrogeology Practical	NGLC531
DP10	0 0 2	1	Micropaleontology and Vertebrate Palaeontology Practical	NGLC532
Total 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC16	3 0 0	3	Ore Geology	NGLC517
DC17	3 0 0	3	Exploration Geology and Mineral Economics	NGLC528
DC18	3 0 0	3	Elements of Rock Engineering	NGLC519
DC19	3 0 0	3	Remote Sensing and GIS	NGLC516
DC20	3 0 0	3	Geodynamics	NGLC533
DP11	0 0 2	1	Ore Geology Practical	NGLC534
DP12	0 0 2	1	Exploration Geology Practical	NGLC535
TR2	0 0 0	3	Structural and Economic Geology Field Training	NGLC536
Total 20				

Semester V				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC21	3 1 0	4	Fundamentals of Stratigraphy	
DC22	3 0 0	3	Well Logging	NGPC530
DE1	3 0 0	3	--	
DE2	3 0 0	3	--	
RM1	3 0 0	3	Research Methodology	NGLC595
TR3	0 0 0	5	Internship	
Total 21				

Semester VI				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU	0 0 0	20	Thesis Unit	NGLC598
Total 20				