

GEOLOGY

Those students who have completed Geology as a principal subject at the 2000 level shall be eligible for selection to an Honours Degree in Geology at the end of the second year subjected to their fulfilment of compulsory requirements for the Honours Degree in Geology.

1000 LEVEL – GEOLOGY					
Course Code	Course Title	No. of Credits	Pre-requisites	Compulsory	
				Hons.	B.Sc.
GEO1013	Earth Processes	3		√	√
GEO1021	Earth Processes Laboratory	1	GEO1013	√	√
GEO1033	Earth Materials	3	GEO1013	√	√
GEO1041	Earth Materials Laboratory	1	GEO1033	√	√
Total		08		08	08

2000 LEVEL – GEOLOGY					
Course Code	Course Title	No. of Credits	Pre-requisites	Compulsory	
				Hons.	B.Sc.
GEO2013	Optical Mineralogy	3	GEO1021, GEO1041	√	√
GEO2023	Introductory Petrology	3	GEO1021, GEO1041	√	√
GEO2032	Geochemistry	2	GEO1021, GEO1041		
GEO2042	Geophysics	2	GEO1021, GEO1041		
GEO2052	Economic Geology	2	GEO1021, GEO1041	√	√
GEO2062	Plate Tectonics and Geomorphology	2	GEO1021, GEO1041		
GEO2072	Soil and Rock Mechanics	2	GEO1021, GEO1041		
GEO2082	Photogeology	2	GEO1021, GEO1041		
GEO2092	Introductory Structural and Field Geology	2	GEO1021, GEO1041	√	√
Total		20		10	10

3000 LEVEL – GEOLOGY					
Course Code	Course Title	No. of Credits	Pre-requisites	Compulsory	
				Hons.	B.Sc.
GEO3012	Hydrology	2			
GEO3022	Geology of Sri Lanka	2		√	√
GEO3032	Metamorphic Petrology	2	GEO2013	√	√

			GEO2023		
GEO3042	Igneous Petrology	2	GEO2013 GEO2023	√	
GEO3052	Sedimentary Petrology	2	GEO2013 GEO2023	√	
GEO3062	Applied Geophysics	2	GEO2042		
GEO3072	Remote Sensing and Geographical Information Systems (GIS)	3			
GEO3083	Structural Geology and Tectonics	3	GEO2013 GEO2023 GEO2092	√	√
GEO3093	Analytical Techniques in Geology	3	GEO2032		
GEO3102	Hydrogeology	2			
GEO3112	Environmental Geology	2			
GEO3123	Engineering Geology	3	GEO2072		
GEO3132	Advanced Economic Geology	2	GEO2013 GEO2023 GEO2052		
GEO3142	Gemmology	2	GEO2013 GEO2023		
GEO3152	Field Geology	2	GEO2013 GEO2023 GEO2092	√	√
Total		34		13	09

4000 LEVEL - GEOLOGY					
Course Code	Course Title	No. of Credits	Pre-requisites	Comments	
					Hons.
GEO4012	Applied Hydrogeology	2	GEO3102		
GEO4022	Isotope Geology	2			
GEO4032	Surveying and Leveling	2			
GEO4042	Scientific Writing and Seminar	2			√
GEO4052	Field Geology Assessment	2	GEO3152		√
GEO4062	Seismology	2			
GEO4073	Oceanography and Quaternary Geology	3			
GEO4082	Exploration and Mining Geology	2			
GEO4092	Petroleum Geology	2	GEO3052		
GEO4103	Advanced Metamorphic Petrology	3	GEO3032		√
GEO4113	Advanced Igneous Petrology	3	GEO3042		√
GEO4123	Advanced Sedimentary Petrology	3	GEO3052		√

GEO4132	Advanced Engineering Geology	2	GEO3123	
GEO4998	Research Project	8		√
SCI 4003	Industrial Training	3		√
<i>Total</i>		41		24