

SUMMARY OF COURSES OFFERED

PRINCIPAL SUBJECT AREA

GEOLOGY

100 LEVEL – GEOLOGY					
Course Number	Title	No. of Credits	Prerequisites	Compulsory for	
				General	Special
GL 101	Earth Processes	3		√	√
GL 102	Earth Processes Practical	1	GL 101	√	√
GL 103	Earth Materials	3		√	√
GL 104	Earth Materials Practical	1	GL 103	√	√
	Total	8			

200 LEVEL – GEOLOGY					
Course Number	Title	No. of Credits	Prerequisites	Compulsory for	
				General Degree	Special Degree
GL 201	Mineralogy	3		√	√
GL 202	Economic Minerals and Resource Geology	2			√
GL 203	Soil and Rock Mechanics	2			
GL 204	Water Resources	1			
GL 205	Introductory Petrology	3		√	√
GL 206	Palaeontology and Stratigraphy	2			
GL 207	Geochemistry	2			√
GL 208	Field Techniques in Geology	1		√	√
	Total	16			

300 LEVEL – GEOLOGY					
Course Number	Title	No. of Credits	Prerequisites	Compulsory for	
				General Degree	Special Degree
GL 301	Introduction, Structural Geology and Tectonics	2		√	√
GL 302	Photogeology	2			
GL 303	Geomorphology	1			√
GL 304	Geophysics	2			√
GL 306	Environmental Geology	2			
GL 307	Engineering Geology	2			
GL 308	Introductory Hydrogeology	2			
GL 309	Hydrology	2			
GL 310	Geology of Sri Lanka	2			√
GL 311	Geological Data Analysis	2			
GL 312	Metamorphic Petrology	3	GL201 GL205		†
GL 313	Applied Analytical Techniques in Geology	2			
GL 314	Igneous Petrology	3	GL 201GL205		†
GL 315	Advanced Economic Geology	1	GL 202		
GL 316	Remote Sensing and GIS	2			
GL 317	Sedimentology	3	GL201 GL205		†
GL 318	Advanced Field Geology	2		√	√
	Total	35			

400 LEVEL GEOLOGY					
Course Number	Title	No. of Credits	Prerequisites	Compulsory for	
				General Degree	Special Degree
GL 401	Applied Hydrogeology	2			
GL 402	Soils and Quaternary Geology	2			
GL 403	Precambrian Geology	2			
GL 404	Isotope Geology	2			
GL 405	Applied Geophysics	2			
GL 406	Oceanography & Coastal Geomorphology	3			
GL 407	Surveying and Leveling	2			
GL 408	Energy Resources	1			
GL 409	Advanced Metamorphic Petrology	3	GL 312		
GL 411	Structural Geology and Tectonics	2			
GL 412	Mineral Exploration and Mining Geology	2			
GL 413	Advanced Igneous Petrology	3	GL 314		
GL 414	Advanced Environmental Geology	2	GL 306		
GL 415	Environmental Geochemistry	2	GL 207		
GL 417	Geologic and Hydrologic Hazards	2			
GL 418	Advanced Engineering Geology	2	GL 203, GL 307		
GL 419	Petroleum Geology and Exploration	1			
GL 420	Advanced GIS	2	GL 316		
GL 421	Project Proposal and Report Writing	1			
GL 422	Seminar on Special Topics in Geology	1			√
GL 423	Research Project	6			√
GL 424	Field Geology Assessment	2			√
GL 427	Seismology	2			
GL 428	Advanced Sedimentary Petrology	3	GL 317		
	Total	52			

† Only one of these course unit is compulsory