

**DEGREE OF BACHELOR OF SCIENCE IN GEOLOGY-PHYSICS (04FF6370)**

**DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN GEOLOGY-PHYSICS (04FF6389)**

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science

**All the courses listed below are prescribed for this degree**

PROGRAMME YEAR 1 – 120 Credit Points					
First Half Session			Second Half Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PD 1001	Professional Skills Part 1	0			
GL 1005	The Earth Through Geological Time	15	GL 1505	Earth's Materials	15
PX 1015	The Physical Universe A	15	PX 1513	The Physical Universe B	15
MA 1005	Calculus I	15	MA 1508	Calculus II	15
MA 1006	Algebra	15			
Plus 15 credit points from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
GL 2015	Petrology & Mineralogy	15	GL 2510	An Introduction to Field Geology	15
PX 2013	Light Science	15	GL 2511	Geophysics	15
PX 2015	Dynamical Phenomena	15	PX 2505	Practical Optics And Electronics	15
<b>EITHER</b> GL 2014	Stratigraphical Principles	15	PX 2510	Relativity And Quantum Mechanics	15
<b>OR</b>	15 credit points from MA2 courses	15			

PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
<b>EITHER</b> GL 3018	Principles of Petroleum Geology	15	<b>EITHER</b> GL 3520	Igneous & Metamorphic Petrology	15
<b>OR</b> GL 3027	Structural Geology & Tectonics	15	<b>OR</b> GL 3521	Sedimentology	15
GL 3026	Field and Mapping Techniques	15	PX 3511	Quantum Mechanics	15
PX 3014	Energy and Matter	15	PX 3512	Electricity and Magnetism	15
Plus one of the courses below:					
PX 3016	Introduction to the Solid State	15			
PX 3017	Research Skills in Physics	15			
Plus 15 credit points from courses of choice.					

**PLEASE SEE OVER →**

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
GL 4028	Petroleum Geology: Geofluids and Geochemistry	30			
PX 4011	Project A				30
Plus one of the courses listed below:			Plus one of the courses listed below:		
PX 4007	Case Studies In Physics	15	PX 4510	Structure and Matter of the Universe (see Note 2)	15
PX 4012	Statistical Physics and Stochastic Systems	15	PX 4516	Nuclear and Semiconductor Physics (see Note 2)	15
			PX 4517	Analytical Mechanics and Elements of General Relativity	15
Plus 30 credit points from level 4 Geology courses.					

Notes	
1.	Designated Programme: See Supplementary Regulation 1
2.	These courses alternate on a two-year cycle.
3.	Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3.