

DEPARTMENT OF APPLIED GEOPHYSICS

100 LEVEL 1 ST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Units
CHE 101	C	General Chemistry I	2	1	3	4
PHY 101	C	General Physics 1	2	1	-	3
MTS 101	C	Introductory Mathematics I	2	1	-	3
PHY 103	C	General Physics Laboratory III	1	1	-	2
PHY 107	C	General Physics Laboratory I.	-	-	3	1
MEE 101	C	Engineering Drawing I	1	0	6	3
GNS 101	R	Use of English I	1	1	-	2
GNS 103	R	Information Retrieval	1	-	-	1
	Total					19

100 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 102	C	General Chemistry II	2	1	3	4
PHY 102	C	General Physics II	2	1	0	3
MTS 102	C	Introductory Mathematics II	2	1	0	3
AGY 100	C	Earth History	2	0	3	3
PHY 108	C	General Physics Laboratory II.	0	0	3	1
CSC 102	C	Introduction to Computing	2	0	3	3
GNS 102	C	Use of English II	1	1	0	2
MEE 102	C	Workshop Practice	0	0	6	2
GNS 106	R	Logic and Philosophy	1	1	0	2
	Total					23

200 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MTS 201	C	Mathematical Methods I	2	1	0	3
MTS 209	C	Differential Equation I	2	1	-	3
PHY 201	C	Elementary Modern Physics	2	1	-	3
PHY 205	C	Thermal Physics	2	1	-	3
AGY 201	C	Physical Geology	1	-	3	2
AGY 203	C	Crystallography & Mineralogy	1	0	3	2
CSC 201	C	Introduction to Fortran Programming	2	0	3	3
CSP 201	C	General Agriculture (Theory)	1	0	-	1
AGY 205	C	Geological Map Interpretation	1	0	3	2
		Total				22

<i>Audited Courses for D.E students</i>						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Units
GNS 101	R	Use of English I	1	1	0	2
GNS 103	R	Information Retrieval	1	0	0	1
MEE 101	R	Engineering Drawing I	1	0	6	3

200 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
PHY 204	C	Waves and Optics	2	1	0	3
CSC 204	C	Assembly Language Programming	2	0	3	3
AGP 202	C	Introduction to Earth Physics	2	0	0	2
PHY 202	C	Electric Circuits & Electronics	2	1	0	3

CSP 210	C	General Agriculture (practical)	0	0	6	2
AGP 220	C	Introductory Geo-mathematics	2	0	0	2
PMT 210	R	Principles of Economics	2	1	0	3
		Total				18

University Required Courses for Direct Entry Students						
MEE 102	R	Workshop practice	0	-	6	2
GNS 102	R	Use of English II	1	1	-	2
GNS 106	R	Logic and Philosophy	1	1	-	2

300 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
AGY 301	C	Sedimentology	2	0	3	3
AGY 307	C	Principles of Remote Sensing and GIS	2	0	3	3
MTS 301	C	Vector and Tensor Analysis	2	1	0	3
PHY 303	C	Electricity and Magnetism	2	1	0	3
AGP 303	C	Self Potential, Induced Polarization & Electrical Resistivity Methods	2	0	3	3
AGP 307	C	Magnetic Prospecting Methods	2	0	3	3
AGP 309	C	Gravity Prospecting Methods	2	0	3	3
EMT 301	R	Introduction to Entrepreneurship	2	0	0	2
	Total					23
ELECTIVE						
AGP 311	E	Applied Geophysics for Geologists & Engineers 1	2	0	3	3

300 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MTS 202	C	Numerical Analysis I	2	1	0	3
AGY 304	C	Stratigraphy	2	0	3	3
MTS 122	C	Statistics for Physical Sciences	3	1	0	4
AGY 312	C	Structural Geology	2	0	3	3
PHY 304	C	Electromagnetic Waves & Optics	2	0	3	3
EMT 302	C	Practical Skills in Entrepreneurship	0	0	9	3
		Total				19
		Long Vacation				
AGP 320	C	Independent Geophysical Field Mapping	0	0	9	3
AGY 318	C	Geological Mapping Techniques	0	0	3	1
		Total				4

400 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MTS 309	C	Differential Equations II	2	1	0	3
AGY 403	C	Petroleum Geology	2	0	3	3
AGP 405	C	Engineering Geophysics	2	0	0	2
AGY 401	C	Engineering Geology	2	0	3	3
GNS 201	C	Man and His Environment	1	1	0	2
AGP 411	C	Seismic Methods of prospecting	2	0	3	3
AGP 409	E	Applied Geophysics for Geologists and Engineers II	2	0	3	3
		Total				19

400 LEVEL 2 ND SEMESTER LONG VACATION (SIWES)						
COURSE CODE		COURSE TITLE				Units
AGP 402	C	Industrial Training Assessed by Industrial based Supervisors				4

AGP 404	C	Industrial Training Assessed by FUTA-based Supervisors				4
AGP 406	C	Student's Report and Seminar presentation				4
		Total				12

500 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
AGP 505	C	Geophysical Time Series Analysis	2	0	3	3
AGP 509	C	Environmental Geophysics	2	0	0	2
AGP 513	C	Borehole geophysics	2	0	3	3
AGY 511	C	Environmental Geology	1	0	3	2
AGP 599	C	Final Year Student's Project	0	0	18	6
		Electives				3
	Total					19
ELECTIVES			L	T	P	Unit
AGY 405	E	Economic Geology	2	0	3	3
EEE 311	E	Electrical Circuit Theory I	2	1	0	3
PHY 315	E	Introductory Solid State Electronics	2	1	0	3

2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
AGP 502	C	Risk Analysis in Petroleum Geophysics	1	0	0	1
AGP 504	C	Groundwater geophysics	2	0	0	2
AGP 506	C	Special Topics & Case Histories	1	0	0	1
AGP 508	C	Geophysical Seminar	2	0	0	2
AGP 510	C	Geophysics and Geothermal Energy	2	0	0	2
AGP 516	C	Radiometric prospecting Methods	2	0	0	2
AGP 518	C	Electromagnetic Prospecting and Ground Penetrating Radar	2	0	3	3
AGP 520	C	Hydrogeology I	2	0	3	3
	Total					16