

DEPARTMENT OF REMOTE SENSING AND GIS

100 LEVEL 1 ST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
PHY 101		General Physics I	2	1	0	3
PHY 103		General Physics III	1	1	0	2
PHY 107		General Physics (Laboratory) I	0	0	3	1
MTS 101		Introductory Mathematics I	2	1	0	3
CHE 101		General Chemistry I	2	1	3	4
BIO 101		General Biology I	2	1	3	4
GNS 101		Use of English I	1	1	0	2
GNS 103		Information Retrieval I	1	0	0	1
MEE 101		Engineering Drawing I	1	0	6	3
		Total				23

100 LEVEL 2 ND SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
AGY 100		Earth History	2	0	3	3
CHE 102		General Chemistry II	2	1	3	4
CSC 102		Introductory to Computer Sciences	2	0	3	3
MTS 102		Introductory Mathematics II	2	1	0	3
PHY 102		General Physics II	2	1	0	3
PHY 108		General Physics (Lab) II	0	0	3	1
MEE 102		Workshop Practice	0	0	6	2
GNS 102		Use of English II	1	1	0	2
URP 102		Geomorphology	2	1	0	3
		Total				24

200 LEVEL 1 ST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 201		Fundamentals of Remote Sensing	2	0	0	2
AGY 201		Physical Geology	1	0	3	2
AGY 205		Geological Map Interpretation	1	0	3	2
MTS 201		Mathematical Methods I	2	1	0	3
CSC 201		Introduction to Fortran Programming	2	0	3	3
PHY 205		Thermal Physics	2	1	0	3
GNS 201		Man and His Environment	1	1	0	2
CSP 201		General Agriculture (Theory)	1	0	0	1
SVG 201		Basic Surveying I	2	1	0	3
		Total				21

<i>Audited Courses for D.E students</i>						
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	STATUS	COURSE TITLE	L	T	P	Unit
RSG 202		Physical Processes in Airborne Remote Sensing	2	0	0	2
AGY 208		General Petrology	2	0	3	3
AGY 212		Introductory Field Geology	0	0	3	1
AGP 202		Introduction to Earth Physics	2	0	0	2
MET 204		Introduction to the Atmosphere	2	0	0	2
MTS 122		Statistics for Physical Sciences	3	1	0	4
GNS 106		Logic & Philosophy	1	1	0	2
PMT 210		Principles of Economics	2	1	0	3
CSP 210		General Agriculture (Practical)	0	0	6	2
		Total				21

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	STATUS	COURSE TITLE	L	T	P	Unit
RSG 301		Satellite Remote Sensing	1	0	3	2
RSG 303		Sensors	1	0	3	2
RSG 305		Ground Systems	2	0	0	2
RSG 307		Image Interpretation	2	0	3	3
RSG 309		Photogrammetry I	2	0	3	3
AGY 301		Sedimentology	2	0	3	3
URP 303		Land Use and Resource Management Theory	2	0	0	2
EMT 301		Introduction to Entrepreneurship	2	0	0	2
		Total				19
		Free Electives				5

300 LEVEL 2 ND SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 302		Image Processing Systems	2	0	0	2
RSG 304		Geographic Information Systems I	1	0	3	2
RSG 306		Digital Image Processing I	2	0	3	3
RSG 308		Global Positioning Systems	1	0	3	2
AGY 308		Hydrogeology	2	0	3	3
AGY 312		Structural Geology	2	0	3	3
FWT 302		Forest Ecology and Soil	2	0	3	3
EMT 302		Practical Skills in Entrepreneurship	0	0	9	3
URP 310		Urban Design Theory	3	0	0	3
		Total				24
RSG 320		Long Vocational Independent Mapping	0	0	9	3

400 LEVEL 1 ST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 401		Geographic Information Systems II	2	0	3	3
RSG 403		Rem. Sensing Applications in Lithological & Structural Mapping	2	0	3	3
RSG 405		Applications of Remote Sensing in Urban & Regional Planning	2	0	3	3
RSG 407		Remote Sensing Applications In Geomorphology	1	0	3	2
RSG 409		Photogrammetry II	2	0	3	3
MET 403		Agricultural Meteorology	3	0	0	3
MET 401		Satellite Meteorology	2	0	0	2
		Total				19
		Free Electives				2-4

400 LEVEL 2 ND SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 404		Industrial Training assessed by FUTA Supervisors	-	-	-	4
RSG 402		Industrial Training assessed by Industry-Based Superv	-	-	-	4
RSG 406		SIWES Student's Report & Seminar Presentation	-	-	-	4
		Total				12

500 LEVEL 1 ST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 501		Remote Sensing Applications In Oceanography	2	0	3	3
RSG 503		Remote Sensing in Crop Inventory & Land Use	2	0	3	3
RSG 505		Remote Sensing in Soil Survey & Mapping	2	0	3	3
RSG 507		Remote Sensing in Agrometeorology	2	0	3	3
RSG 599		Final Year Student's Project	0	0	18	6
PMT 515		Project Analysis	3	0	0	3
		Total				21
		Free Electives				3

500 LEVEL 2 ND SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
RSG 502		Remote Sensing Applications in Hydrogeology	2	0	3	3
RSG 504		Remote Sensing Applications in Engineering Geology	2	0	3	3
RSG 506		Digital Image Processing II	2	0	0	2
RSG 508		Remote Sensing Applications in Coastal Geomorphology & Processes	2	0	3	3
RSG 510		Case Histories & Special Topics	0	0	3	1

		in Remote Sensing				
RSG 512		Remote Sensing Applications in Forestry & Ecosystem	2	0	3	3
		Total				15
		Free Electives				3

Free Electives						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
ARC 103		Nature of Environmental Science	2	0	0	2
QSV 201		Principles of Measurement & Description	2	0	3	3
URP 201		Basic Elements of Planning	2	0	3	3
CSP 202		Basic Soil Science	1	0	3	2
URP 202		Introduction to Urban Planning	2	0	0	2
CSP 309		Land & Soil Management	2	0	0	2
AGY 401		Engineering Geology I	2	0	3	3
AGY 407		Hydrogeology II	2	0	3	3