

DEPARTMENT OF SURVEYING AND GEOINFORMATICS

100 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MTS 101	C	Introductory Mathematics I	2	1	0	3
MEE 101	R	Engineering Drawing I	1	0	6	3
PHY 101	C	General Physics 1	2	1	0	3
PHY 107	C	General Physics Laboratory I.	0	0	3	1
CSC 101	R	Introduction to Computer Science	2	0	3	3
GNS 101	C	Use of English I	1	1	0	2
URP 103	C	Nature of Environmental Science	1	0	3	2
SVG 101	C	Introduction to Surveying and Geoinformatics	2	0	0	2
SVG 103	C	Map Reading and Interpretation	1	0	3	2
GNS 103	R	Information Retrieval	1	0	0	1
	Total					22

100 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MTS 102	C	Introductory Mathematics II	2	1	0	3
MTS 104	R	Introductory to Applied Mathematics	1	0	6	3
CSC 102	C	Introduction to Computing	2	1	0	3
MEE 102	C	Workshop Practice	0	0	6	2
PHY 102	R	General Physics II	2	0	3	3
PHY 108	C	General Physics (Lab) II	0	0	3	1
GNS 102	C	Use of English II	1	1	0	2
GNS 106	R	Logic and Philosophy	1	1	0	2
SVG 102	R	Surveying Instrumentation I	1	0	3	2
	Total					21

200 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 201	C	Basic Surveying I	1	0	3	2
SVG 203	R	Cadastral Surveying I	2	0	0	2
SVG 205	C	Photogrammetry I	1	0	3	2
SVG 207	C	Field Astronomy	1	0	3	2
SVG 209	R	Surveying Computation	2	0	0	2
SVG 211	C	Computer Applications in Surveying I	1	0	3	2
RSG 201	C	Fundamentals of Remote Sensing	2	0	0	2
MTS 201	C	Mathematical Methods I	2	1	0	3
GNS 203	R	Nigerian History and Culture	2	0	0	2
CSP 201	R	General Agriculture (Theory)	1	0	0	1
URP 201	C	Basic Elements of Planning	2	0	0	2
	Total					22

Courses to be audited by Direct Entry Students						
GNS 101	R	Use of English I	2	0	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
SVG 202	C	Basic Surveying II	1	0	3	2
SVG 204	C	Cadastral Surveying II	2	0	0	2
SVG 206	C	Geodetic Astronomy	1	0	3	2
SVG 208	C	Surveying Cartography	1	0	3	2
**SVG 210	C	Computer Application in Surveying II	1	0	3	2
**SVG 212	C	Surveying Instrumentation II	1	0	3	2
MTS 202	C	Numerical Analysis I	2	1	0	3
ESM 208	R	Statistics for Environmental and Biological Sciences	2	0	0	2
PHY 204	C	Waves and Optics	2	1	0	3
CSP 210	R	General Agriculture (Practical)	0	0	6	2
	Total					22

<i>Additional Required Credit Course for Direct Entry Students</i>						
GNS 106	R	Logic and Philosophy	2	0	0	2
<i>Courses to be audited by Direct Entry Students</i>						
GNS 102	R	Use of English II	2	0	0	2
MEE 102	R	Workshop Practice	0	0	6	2

300 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 301	C	Engineering Surveying I	1	0	3	2
SVG 303	C	Photogrammetry II	1	0	3	2
SVG 305	C	Topographic Surveying	1	0	3	2
SVG 307	C	Adjustment Computation	2	0	0	2
SVG 309	C	Geodetic Surveying	1	0	3	2
RSG 301	C	Satellite Remote Sensing	1	0	3	2
AGP 311	C	Applied Geophysics to Geologists and Engineers I	2	0	3	3
MTS 315	C	Engineering Mathematics I	2	1	0	3
EMT 301	R	Introduction to Entrepreneurship	2	0	0	2
		Elective				1/2
	Total					21/22
Elective Courses						
URP 303	E	Land Use and Resource Management Theory	2	0	0	2
AGY 315	E	Introductory Field Mapping	1	0	3	2
**PHY 301	E	Energy and Environment	1	0	0	1

300LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 302	C	Engineering Surveying II	1	0	3	2
SVG 304	C	Electronic Surveying II	2	0	0	2
SVG 306	C	Mining and Underground Surveying	1	0	3	2
SVG 308	C	Adjustment Computation II	2	0	0	2
SVG 310	C	Spatial Statistics	2	0	0	2
RSG 304	C	Geographic Information	1	0	3	2

		Systems I				
SVG 312	C	Surveying Camping	0	0	6	2
PMT 302	R	Practical Skills in Entrepreneurship	0	0	9	3
MTS 316	C	Engineering Mathematics II	2	1	0	3
		Elective				2
	Total					22
Elective Courses						
SVG 314	E	Safety and Swimming in Surveying	1	0	3	2
SVG 316	E	Data Quality and Structure	2	0	0	2

400 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 401	C	Map Projection	1	0	3	2
SVG 403	C	Hydrographic Surveying I	1	0	3	2
SVG 405	C	Digital Photogrammetry	1	0	3	2
SVG 407	C	Digital Mapping	1	0	3	2
SVG 409	C	Introduction to Geodesy	2	0	0	2
RSG 401	C	Geographic Information Systems II	2	0	3	3
URP 407	C	Urban and Regional Planning Law	2	0	0	2
AGY 201	C	Physical geology	1	0	3	2
URP 405	C	Principles of management and Planning	2	0	0	2
		Elective				2
	Total					21
Elective Courses						
CSC 409	E	Software Engineering I	1	0	3	2
QSV 203	E	Construction Technology I	1	0	3	2
SVG 411	E	Potential Theory and Spherical Harm Onics	2	0	0	2

400 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 402	C	Industrial Training Assessed by FUTA-based Supervisors	0	0	0	4
SVG 404	C	Industrial Training Assessed by Industrial based Supervisors	0	0	0	4
SVG 406	C	Student's Report and Seminar presentation	0	0	0	4
	Total					12

500 LEVEL 1ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 501	C	Geometry Geodesy	2	0	0	2
SVG 503	C	Physical Geodesy	2	0	0	2
SVG 505	C	Surveying Professional Practice and Ethics	2	0	0	2
SVG 507	C	Seminar on Geospatial Issues	0	1	3	2
SVG 509	C	Aerial Triangulation	2	0	0	2
SVG 511	C	Project Management in Surveying Practice	2	0	0	2

SVG 599	C	Final Year Student's Project	0	0	18	6
		Elective				2/3
	Total					20/21
Elective Courses						
CSC 511	E	Software Engineering II	2	1	0	3
AGP 409	E	Applied Geophysics for Geologists & Engineers II	2	0	3	3
RSG 501	E	GIS applications in Oceanography	2	0	3	3

500 LEVEL 2ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
SVG 502	C	Satellite Geodesy	1	0	3	2
SVG 504	C	Hydrographic Surveying II	1	0	3	2
SVG 506	C	Marine Surveying	1	0	3	2
SVG 508	C	Survey Laws and Regulations	2	0	0	2
SVG 510	C	Data Base Modelling	2	0	0	2
SVG 512	C	Introduction to Coastal Mapping and Management	1	0	3	2
SVG 514	C	Adjustment and Optimization	2	0	0	2
		Elective				2/3
	Total					16/17
Elective Courses						
SVG 516	E	Special Studies in Photometry	1	0	3	2
SVG 518	E	Foreign Language (French)	2	0	0	2
RSG 508	E	Remote Sensing Application in Coastal Geomorphology & Processes	2	0	3	3