

DEPARTMENT OF MINING ENGINEERING

100 LEVEL FIRST SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Units
CHE 101	R	General Chemistry I	2	1	3	4
CVE 105	R	History & Philosophy of Science	2	-	-	2
GNS 101	R	Use of English I	1	1	-	2
MTS 101	R	Introductory Mathematics I	2	1	-	3
MEE 101	R	Engineering Drawing I	1	-	6	3
PHY 101	R	General Physics I	2	1	-	3
PHY 101	R	General Physics III	2	-	-	2
PHY 107	R	General Physics Lab. I	-	-	3	1
MNE 101	C	Introduction to Mining Engineering	1	-	3	2
GNS 103	R	Information Retrieval	1	-	-	1
		Total				23

100 LEVEL 2ND SEMESTER New Curriculum						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 102	R	General Chemistry II	2	1	3	4
GNS 102	R	Use of English II	1	1	-	2
MTS 102	R	Introductory Mathematics II	2	1	-	3
MTS 104	R	Introductory Applied Mathematics III	2	1	-	3
CSC 102	R	Introduction to Computing	2	1	-	3
MEE 102	R	Workshop Practice	0	-	6	2
PHY 102	R	General Physics II	2	1	-	3
PHY 108	R	General Physics Laboratory II	0	0	3	1
AGY 100	R	Earth History	2	-	3	3
		Total				24

200 LEVEL FIRST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CHE 205	R	Physical Chemistry I	1	-	3	2
CSP 201	R	General Agriculture (Theory)	1	-	-	1
MNE 201	R	Engineer-in-Society	1	-	-	1
EEE 201	R	Basic Electrical and Electronics Eng. I	2	-	3	3
MTS 201	R	Mathematical Methods I	2	1	-	3
MEE 201	R	Manufacturing Technology I	1	-	3	2
MME 207	R	Applied Mechanics	2	1	-	3
MME 201	R	Science of Materials	2	1	-	3
AGY 201	C	Physical Geology	1	-	3	2
CSC 201	R	Introduction to Fortran Programming	2	-	3	3
		Total				23

University Required/Audited Courses for D.E students						
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 STATUS	COURSE TITLE	L	T	P	Units
GNS 106	R	Logic & Philosophy	2	-	-	2
CSP 210	R	General Agriculture (Practical)	-	-	6	2
CHE 202	R	Analytical Chemistry 1	1	-	3	2
CVE 202	R	Strength of Materials I	2	-	3	3
MEE 202	R	Engineering Drawing II	1	-	6	3
MEE 206	R	Basic Thermodynamics	2	1	0	3
EEE 202	R	Basic Electrical and Electronics Engineering II	2	-	3	3
PMT 210	R	Principles of Economics	3	-	-	3
MTS 202	R	Numerical Analysis I	2	1	-	3
	Total					24

<i>University Required/Audited Courses for D.E students</i>						
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

COURSE CODE		COURSE TITLE				Units
MNE 220	C	Long Vacation Training				4

300 LEVEL FIRST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
AGY 205	R	Geological Map Interpretation	1	-	3	2
MTS 315	R	Engineering Mathematics I	2	1	-	3
MNE 301	R	Engineering Surveying	2	-	3	3
MEE 303	R	Theory of Machines I	2	-	-	2
MME 311	R	Engineering Metallurgy	2	-	3	3
AGE 301	R	Engineering Statistics	2	-	-	2
MNE 303	R	Strength of Mine Materials	2	-	-	2
AGY 203	R	Crystallography & Mineralogy	2	-	3	3
EMT 301	R	Introduction to Entrepreneurship	2	-	-	2
	Total					22

300 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MEE 302	R	Machine Drawing & design	2	-	3	3
MTS 316	R	Engineering Mathematics II	2	1	-	3
MNE 304	C	Surface Mining	2	-	3	3
MNE 306	C	Drilling and Blasting	2	-	3	3
MNE 308	C	Rock Mechanics	2	1	3	4
AGE 204	R	Basic Fluid Mechanics	2	-	3	3
MNE 312	C	Technical Report Writing	2	-	-	2
EMT 302	R	Practical Skills in Entrepreneurship	-	-	9	3
	Total					24
LONG VACATION TRAINING						

COURSE CODE		COURSE TITLE	L	T	P	Units
MNE 320	C	Field Work				4

400 LEVEL FIRST SEMESTER						
COURSE TITLE			L	T	P	Units
MTS 415	R	Engineering Mathematics III	2	-	-	2
MNE 401	C	Underground Mining	2	-	3	3
MNE 403	C	Oil & Gas Well Drilling	3	-	-	3
MNE 405	C	Mine Geometry	2	-	-	2
MNE 407	C	Mine Ventilation	2	-	3	3
MNE 409	C	Applied Engineering Geotechnics	2	-	-	2
MNE 411	C	Fluid Mechanics in Mining	2	-	-	2
MNE 413	C	Mineral processing Technology I	1	-	3	2
AGP 311	R	Introduction to Geophysics	1	1	3	3
	Total					22

400 LEVEL 2 ND SEMESTER LONG VACATION STUDENTS' INDUSTRIAL WORK						
COURSE CODE		COURSE TITLE				Units
MEE 402	C	Industrial Training Assessed by Industrial based Supervisors				4
MEE 404	C	Industrial Training Assessed by FUTA –based Supervisors				4
MEE 406	C	Students' Report and Seminar presentation				4
	Total					12

500 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MNE 501	C	Mine Health and Safety	1	-	3	2
MNE 503	C	Mine Design I	1	-	3	2
MNE 505	C	Petroleum Reservoir Engineering	1	1	3	3
MNE 507	C	Mine Valuation	1	1	-	2
MNE 509	C	Mineral processing Technology II	2	-	3	3
MNE 511	C	Seminar I	-	1	-	1
MNE 599	C	Final Year Student's Project	-	-	18	6
		Elective	2	-	-	2
	Total					21
Elective Courses						
COURSE CODE		COURSE TITLE	L	T	P	Units
MNE 513	E	Programming and Software Application in Mining	1	-	3	2
MNE 515	E	Artisanal and Small Scale Mining	2	-	-	2

500 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units

MNE 502	C	Mine Equipment and Machinery	2	-	3	3
MNE 504	C	Mine Design II	1	-	3	2
MNE 506	C	Mineral Economics	1	1	-	2
MNE 508	C	Operations Research in the Mineral Industry	1	1	-	2
MNE 510	C	Mine Environments	1	-	3	2
MNE 512	C	Seminar II	-	1	-	1
MNE 514	C	Mine Management and Law	2	-	-	2
MNE 516	C	Technology Policy and Development	2	-	-	2
MNE 518	C	Mine Surveying	2	-	3	3
	Total					19