

**DEPARTMENT OF METEOROLOGY**

100 LEVEL 1 <sup>ST</sup> SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
MET 101		Atmospheric Environment	2	0	0	2
CHE 101		General Chemistry I	2	1	3	4
MTS 101		Introductory Maths I	2	1	3	4
PHY 101		General Physics I	2	1	0	3
PHY 103		General Physics III	1	1	0	2
PHY 107		General Physics (Lab) I	0	0	3	1
GNS 101		Use of English I	1	1	0	2
MEE 101		Engineering Drawing I	1	0	6	3
GNS 103		Information Retrieval	1	0	0	1
		<b>Total</b>				<b>22</b>

100 LEVEL 2 <sup>ND</sup> SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
CHE 102		General Chemistry II	2	1	3	4
MTS 102		Introductory Mathematics II	2	1	0	3
MTS 104		Introductory Applied Mathematics	2	1	0	3
PHY 102		General Physics II	2	1	0	3
PHY 108		General Physics (Lab) II	0	0	3	1
GNS 102		Use of English II	2	0	0	2
GNS 106		Logic and Philosophy	2	0	0	2
MEE 102		Workshop Practice	0	0	6	2
		Total				20

200 LEVEL 1 <sup>ST</sup> SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
MET 101		Atmospheric Environment	2	0	0	2
MTS 201		Mathematical Methods I	2	1	0	3
MTS 209		Differential Equations I	3	0	0	3
CSC 201		Introduction to Fortran Programming	2	0	3	3
CSP 201		General Agric (Theory)	1	0	0	1
MET 201		Codes Observations & Plotting Practice	0	0	6	2
GNS 201		Man & His Environment	1	1	0	2
		<b>Total</b>				<b>16</b>

<i>Audited Courses for D.E students</i>						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
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 <sup>ND</sup> SEMESTER						
COURSE CODE	STATUS	COURSE TITLE	L	T	P	Unit
PHY 202		Electrical Circuits & Electronics	2	1	0	3
PHY 204		Waves & Optics	2	1	0	3
PHY 210		Basic Electronics	2	1	3	4
MTS 202		Numerical Analysis	2	0	3	3
MET 202		Instrumentation &	2	0	0	3

		<b>Environmental Measurement</b>				
<b>MET 204</b>		<b>Introduction to Atmosphere</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>AGP 202</b>		<b>Introduction to Earth Physics</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
CSP 210		General Agric. (Practical)	0	0	6	2
**GNS 102		Use of English II				
		Total				21

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

<b>300LEVEL 1<sup>ST</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 301		Vector & Tensor Analysis	3	0	0	3
<b>PHY 301</b>		<b>Analytical Mechanics I</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
AGY 307		Principles of Remote Sensing and GIS	2	0	3	3
MET 303		Atmospheric Physics Exp. I	0	0	6	2
MET 305		Atmospheric Thermodynamics	3	0	0	3
EMT 301		Introduction to Entrepreneurship	2	0	0	2
MET 307		Fluid Dynamics	2	0	0	2
<b>MTS 309</b>		<b>Differential Equations II</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
		Total				21
<b>ELECTIVE</b>						
MET 311		Meteorology for Engineering & Environment Sciences (for SET & SEET students only)	2	0	0	2

<b>300 LEVEL 2<sup>ND</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 302		Atmospheric Dynamics	3	0	0	3
<b>MET 304</b>		<b>Synoptic Analysis &amp; Current Weather I</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
MET 306		Atmos. Physics Exp. II	1	0	6	3
MET 310		World Climatology	0	0	6	2
MET 312		Boundary Layer Met & Turbulence	3	0	0	3
<b>PMT 210</b>		<b>Principles of Economics</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>MTS 122</b>		<b>Statistics for Physical Sciences</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>
EMT 302		Practical Skills in Entrepreneurship	0	0	9	3
		Total				23

<b>400LEVEL 1<sup>ST</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 401		Intro. To Radar & Satellite	3	0	0	3
MET 403		Agriculture Meteorology	3	0	0	3
MET 405		Tropical Meteorology	2	0	0	2
<b>ARE 301</b>		<b>Principle of Agric. Econs.</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
MET 417		Urban Air Pollution & Bio-	2	0	0	2

		meteorology				
MET 409		Atmospheric Radiation	3	0	0	3
MET 411		Aeronautical Weather Forecasting	0	0	6	2
MET 413		Synoptic Analysis & Current Weather	0	0	6	2
MET 415		Hydrometeorology	2	0	0	2
		Total				22

<b>400 LEVEL 2<sup>ND</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 404		Site Supervisor /Visiting University Staff Assessment				4
MET 402		Institution Based Supervisors' Assessment (Logbook)				4
MET 406		SIWES Seminar Presentation and Report				4
		<b>Total</b>				<b>12</b>

<b>500LEVEL 1<sup>ST</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 503		West African Meteorology	3	0	0	3
MET 505		Marine & Physical Oceanography	3	0	0	3
MET 507		Computer Application in Meteorology	2	0	3	3
<b>CSP 501</b>		<b>Soil Water Management</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>
MET 509		Adv. Rader & Satellite Met. Application	2	0	0	2
MET 511		Energy Meteorology	2	0	0	2
MET 599		Final Year Student's Project	0	0	18	6
		Elective				3
		<b>Total</b>				<b>25</b>

<b>Electives</b>						
<b>PMT 506</b>		<b>Industrial and Labour Legislation</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
<b>PMT 507</b>		<b>Formulation and Appraisal</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
<b>URP 413</b>		<b>Environment Impact Analysis</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>

<b>500LEVEL 2<sup>ND</sup> SEMESTER</b>						
<b>COURSE CODE</b>	<b>STATUS</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Unit</b>
MET 500		Case study of MET Phenomenon (Seminar)	0	0	6	2
MET 504		Mesoscale Weather Systems	3	0	0	3
MET 506		Dynamical Oceanography & Air-sea interaction	3	0	0	3
MET 508		Advanced Dynamical Meteorology & Numerical weather Prediction	3	0	0	3
<b>PMT 504</b>		<b>Entrepreneurship</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>
MET 510		Cloud Physics	0	0	6	2
		<b>Total</b>				<b>16</b>
<b>Electives</b>						
<b>CVE 516</b>		<b>Environmental Engineering</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>
<b>PMT 515</b>		<b>Project Analysis</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>URP 206</b>		<b>Natural resources and Environmental Planning</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>