



# UNIVERSITY OF NAIROBI

**SUBJECT/COURSE CODING SYSTEM**

**FOR**

**UNDERGRADUATE COURSES**

UNIVERSITY OF NAIROBI  
LIBRARY

OCTOBER 1978

UNIVERSITY OF NAIROBI  
LIBRARY

FACULTY CODING SYSTEM

<u>Faculty</u>	<u>Faculty Code</u>
	<u>1st Character</u>
AGRICULTURE	= A
ARCHITECTURE, DESIGN AND DEVELOPMENT	= B
ARTS	= C
COMMERCE	= D
EDUCATION	= E
ENGINEERING	= F
LAW	= G
MEDICINE	= H
SCIENCE *	= I
VETERINARY MEDICINE	= J
SCHOOL OF JOURNALISM	= K
INSTITUTE FOR DEVELOPMENT STUDIES	= L
INSTITUTE OF ADULT STUDIES	= M
INSTITUTE OF AFRICAN STUDIES	= N

-----

\* Science Faculty code to change to "S" as from 1978/79 Academic Year.

U N I V E R S I T Y    O F    N A I R O   B I

SUBJECT/COURSE CODING SYSTEM:

1. FACULTY OF AGRICULTURE:

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
(i) <u>B.Sc. Agriculture</u>	A100	A200	A300
(ii) <u>B.Sc. Food Science &amp; Technology</u>	A120	A220	A320
(iii) <u>B.Sc. Agricultural Engineering</u>	A140	A240	A340
(iv) <u>B.Sc. Forestry</u>	A160	A260	A360

(i) B.Sc. Agriculture:

<u>1st Year</u>	<u>Hours</u>
A100 - Introduction to E.A. Agriculture	50
A101 - Mathematics	50
A102 - Chemistry	110
A103 - Zoology for Agriculture	130
A104 - Physics for Agriculture	50
A105 - Biochemistry	90
A106 - Statistics	64
A107 - Botany for Agriculture	130
A108 - Genetics and Principles of Breeding	90
A109 - Plant and Crop Physiology	65
A110 - Animal Physiology	65
A111 - Economics I*	45

(\* To be examined during the second year - see A200)

2nd Year:

Hours

SUBJECT/COURSE CODING SYSTEM:

A200	-	Economics for Agriculture	-	40
A201	-	Rural Sociology & Development	-	80
A202	-	Agricultural Policy and Law	-	64
A203	-	Crop Production I:		
	-	Crop/Grassland Production	-	100
A204	-	Genetics & Animal Breeding	-	80
A205	-	Nutrition & Feeding	-	90
A206	-	Materials, Power and Survey	-	140
A207	-	Pedology and Soil Physics	-	110

3rd Year:

Hours

A300	-	Farm Management	-	110
A301	-	Agricultural Marketing and Extension	-	80
A302	-	Crop Production II: Crops and Horticulture	-	110
A303	-	Ecology and Management	-	50
A304	-	Soil, Water, Structures and Mechanization	-	80
A305	-	Soil Fertility and Soil Survey	-	110
A306	-	Crop Protection	-	150
A307	-	Animal Health & Hygiene	-	50
A308	-	Food Technology	-	40
A309	-	Farm Practice	-	9 Weeks

(ii) B.Sc. Food Science & Technology:

<u>1st Year:</u>	<u>Hours</u>
A100 - Introduction to E.A. Agriculture	- 55
A121 - Mathematics & Statistics	- 110
A102 - Chemistry	- 110
A123 - Applied Physics	- 120
A124 - Introduction to Plant Science	- 95
A125 - Introduction to Animal Science	- 95
A126 - Genetics	70
A 105 - Biochemistry I	- 90
A128 - Economics	- 40
A129 - Microbiology	- 50
A130 - Marketing of Processed Food Products	- 60
A131 - Animal Production	- 90

2nd Year:

A220 - Biochemistry II	- 50
A221 - Food Chemistry	- 100
A222 - Techniques of Food Analysis	- 80
A223 - Food Microbiology and Fermentation	- 140
A224 - Human Nutrition	- 50

2nd Year (Food Science & Tech. Cont.) Hours

A225	-	Food Engineering	-	130
A226	-	Measurement & Control		
		Engineering	-	50
A227	-	Construction & Packaging		
		Materials	-	50
A228	-	Sanitation, Waste Disposal	-	40
A229	-	Crop Production	-	90

3rd Year:

A320	-	Food Hygiene & Legislation	-	80
A321	-	Food Preservation & Processing	-	120
A322	-	Economics & Management of Food		
		Processing etc.	-	100
A323	-	Technology of specific Products		200
A324	-	Pilot Plant Processing	-	200
A325	-	Industrial Practice	-	9 weeks

B.Sc. Agricultural Engineering:

1st Year: Hours

A140	-	F.A. Agriculture &		
		Environment	-	50

<u>1st Year(Agricultural Engineering Cont.)</u>			<u>Hours</u>
FL021	-	Fluid Mechanics(CE14)	- 91
FL124	-	Engineering Drawing (ME17)	- 104
FL122	-	Thermodynamics (ME17)	- 91
FL106	-	Mathematics (MATH 10)	- 130
FL123	-	Materials & Production Engineering (ME15)	- 91
A146	-	Animal Production	- 50
A147	-	Crop Science	- 60
A148	-	Economics I	- 45
FL121	-	Mechanics of Machines (ME12)	- 90
FL120	-	Solid & Structural Mechanics (ME11)	- 50
A14 <sup>D</sup>	-	Introduction to Agricultural Engineering	- 150
FL126	-	Electrical Engineering	- 91

<u>2nd Year:</u>			<u>Hours</u>
A240	-	Fluid Mechanics (CE24)	- 105
A242	-	Mathematics & Statistics	- 120
A243	-	Soil Mechanics (CE12)	- 50
A244	-	Agricultural Power	- 80
A245	-	Machine Design (ME26)	- 50
A246	-	Principles of Crop Production	- 60
A247	-	Soil Science	- 110
A248	-	Computer Science	- 53
A249	-	Thermodynamics	
A24C	-	Surveying	

<u>3rd Year:</u>		<u>Hours:</u>
A340	- Water Resources Engineering (CE36)	- 105
A341	- Agricultural Engineering Project	- 120
A342	- Agricultural Machinery	- 120
A343	- Agricultural Structures and Environmental Control	- 120
A344	- Agricultural Process Engineering-	120
A345	- Farm Management	- 40
A346	- Soil & Water Engineering	- 120
A347	- Agricultural Extension	- 40

(iv) B.Sc. Forestry:

<u>1st Year:</u>	<u>Hours:</u>
A 160 - Plant Physiology	- 65
A 161 - Ecology and Climatology	- 40
A 162 - Dendrology	- 40
A 163 - Genetics and Plant Breeding	- 90
A 105 - Biochemistry	- 90
A 165 - Forest Economics I	- 45
A 166 - Botany for Forestry	- 130
A 167 - Mathematics and Statistics	- 110
A 168 - Introduction to Plant Science	- 95
A 100 - Introduction to E.African Agriculture.	- 50
A 102 - Chemistry	- 110



2nd Year:

Hours:

A 260	--	Forest Economics II	-	40
A 261	-	Soil & Water Conservation	-	80
A 262	-	Forest Engineering I	-	80
A263	-	Soil Science I	-	110
A 264	-	Mensuration	-	80
A 265	-	Silviculture	-	80
A 266	-	Wood Utilization I	-	40
A 267	-	Wildlife Ecology & Management	-	40
A 268	-	Land use Law and Policy	-	60
A 269	-	Surveying	-	80
A 270	-	Forest Practice	-	360

3rd Year:

Hours:

A 360	--	Forest Protection	-	80
A 361	-	Forest Management I	-	80
A 362	-	Forest Management II	-	80
A 363	-	Forest Engineering II	-	40
A 364	-	Wood Utilization II	-	80
A 365	-	Arid land afforestation	-	40
A 366	-	Soil Science II	-	100

-----

2. FACULTY OF ARCHITECTURE, DESIGN AND DEVELOPMENT:

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>5th Year</u>
(i) Architecture	B100	B200	B300	B400	B500
(ii) Building Economics	B120	B220	B320		
(iii) Land Economics	B130	B230	B330		
(iv) Design	B140	B240	B340		

Bachelor of Architecture:

<u>1st Year:</u>	<u>Hours:</u>
B100 - Physical Environment I	28
B101 - Social Environment I	28
B102 - Theory of Structures I	28
B103 - Building Technology & Services I	28
B104 - 20th Century Design I	22
B105 - Portfolio	700

<u>2nd Year</u>	<u>Hours:</u>
B200 - Physical Environment II	28
B201 - Theory of Structures II	44
B202 - Building Technology & Services II	44
B203 - Building Costs	16
B204 - 20th Century Design II	22
B205 - Portfolio	660

<u>3rd Year:</u>	<u>Hours:</u>
B300 - Physical Environment III	28
B301 - Theory of Structures III	44
B302 - Building Technology & Services III	44
B303 - Town & Country Planning.	28
B304 - 20th Century Design III	22
B305 - Portfolio	650

4th Year:

Hours

B400	-	Portfolio	830
B401	-	Building Science & Technology	22
B402	-	Theory of Structures	44
B403	-	Environmental Studies	22
B404	-	Specification & Building Economics	10

5th Year

B500	-	Thesis	300
B501	-	Design Project	600

(ii) B.A. in Building Economics:

1st Year:

B120	-	Geology, Ecology and Climatology	56
B121	-	Economics 1	108
B122	-	Elements of Law & Law of Contract	120
E123	-	Building Technology 1 & Services 1 (Paper 1)	120
B124	-	Building Technology 1 & Services 1 (Paper 11)	120
E125	-	Theory of Structures 1	90

2nd Year:

B220	-	Land Surveying & Site Analysis	150
B221	-	Economics 11	90
B222	-	Law of Tort, Agency & Partnership	120
B223	-	Building Technology 11 & Services 11 (Paper 1)	120
E224	-	Building Technology 11 & Services 11 (Paper 11)	120
B225	-	Theory of Structures 11	90
B226	-	Quantity Surveying 1	120
B227	-	Analysis of Prices 1	120

<u>3rd Year:</u>		<u>Hours</u>
B320	- Economics 111	90
B321	- Law Relating to Building and Civil Engineering Contracts	90
B322	- Building Technology 111 and Services 111 (Paper 1)	120
B323	- Building Technology 111 & Services 111 (Paper 11)	120
B324	- Quantity Surveying 11 (Paper 1)	90
B325	- Quantity Surveying 11 (Paper 1)	60
B326	- Analysis of Prices 11	120
B327	- Theory of Structures 111	90

ii) B.A. in Land Economics:

1st Year:

B120	- Geology, Ecology, Climatology	56
B121	- Economics 1	108
B122	- Elements of Law & Law of Contract	120
B123	- Building Technology 1 & Services 1 (Paper 1)	120
B124	- Building Technology 1 & Services 1 (Paper 11)	120
B130	- Theory of Structures 1	90

2nd Year:

B220	- Land Surveying & Site Analysis	150
B221	- Economics 11	90
B222	- Law of Tort, Agency and Partnership	120
	-	
B223	- Building Technology 11 & Services 11 (Paper 1)	120
B224	- Building Technology 11 & Services 11 (Paper 11)	120
B230	- Valuation 1	120
B231	- Law of Property I	90

<u>3rd Year :</u>	<u>Hours:</u>
B330 - Town & Country Planning	120
B331 - Economics III	90
B332 - Law of Property II	90
B333 - Local Government Law	90
B334 - Valuation II and Taxation of Land	120
B335 - Maintenance and Repair of Buildings	120
B336 - Housing Estate Administration	120

(iv) B.A. in Design:

<u>1st Year:</u>	<u>Hours</u>
B140 - Materials	20
B141 - Socio-Economic Studies I	60
B142 - Design Theory I	90
B143 - Ergonomics	38
B144 - Structures	38
B145 - Two Dimensional Design Studies	300
B146 - Three Dimensional Design Studies	120
B147 - Free Hand Drawing	180
B148 - Photo/Print Techniques I	150
B149 - Typography	

2nd Year:

Hours

B240	-	Design Theory 11	90
B241	-	Cost Control Planning	30
B242	-	Social & Cultural Studies 1	30
B243	-	Advertising Design	120
B244	-	Signs Symbols & Packaging	120
B245	-	Free Hand Drawing	120
B246	-	Exhibition Display Design	90
B247	-	Typography & Layout	90
B248	-	Photo Print Techniques	90
*B249	-	Product Design (Textiles)	180

3rd Year:

B340	-	Social & Cultural Studies 11	30
B341	-	Design Theory 111	90
B342	-	Advertising Design	200
B343	-	Signs, Symbols and Packaging	120
*B344	-	Product Design (Textiles)	220
B345	-	Exhibition Display Design	180
B346	-	Photo Print Techniques	90
B347	-	Typography and Layout	

-----

\* Subject to approval by Senate

3. FACULTY OF ARTS:

	<u>1st Year:</u>	<u>2nd Year:</u>	<u>3rd Year:</u>
(i) Economics	- C100	C200	C300
(ii) Geography	- C110	C210	C310
(iii) Government	- C120	C220	C320
(iv) History	- C130	C230	C330
(v) French	- C140	C240	C340
(vi) Linguistics	- C150	C250	C350
(vii) Literature	- C160	C260	C360
(viii) Mathematics	- C170	C270	C370
(ix) Philosophy & Rel. Studies	- C180	C280	C380
(x) Sociology	- C190	C290	C390

(i) ECONOMICS:

<u>1st Year:</u>	<u>Hours:</u>
C100 - Elements of Economics	54
C101 - African Economic Problems	54
 <u>2nd Year:</u>	
C200 - Economic Theory	81
C201 - Economic Statistics	54
C202 - Mathematics for Economists	54
C203 - Advanced Econ. Theory	54
C204 - Comparative Economic Systems	54
C205 - Agricultural Economics	54
C206 - Economics of Industry and Labour	54
C207 - Money, Banking and Finance	54
C208 - Quantitative Methods	54

Economics 2nd Year Cont.

<u>2nd Year:</u>		<u>Hours:</u>
C209	- Economic History	54
C20C	- Demography	54
C20D	- Public Finance	54
C20E	- Monetary Theory & Policy	54
C20F	- Economics of Industry	54
C20G	- Economics of Labour	54
C20H	- Accounting and Control	54
		54

<u>3rd Year:</u>		
C300	- Economic Development	81
C301	- Advanced Economic Theory	54
C302	- Comparative Economic Systems	54
C303	- Agricultural Economics	54
C304	- Economics of Industry & Labour	54
C305	- Money, Banking and Finance	54
C306	- International Economics	54
C307	- Quantitative Methods	54
C308	- Advanced Economic Statistics	54
C309	- Economic History	54
C30C	- Demography	54
C30D	- Public Finance	54
C30E	- Monetary Theory and Policy	54
C30F	- Economics of Industry	54
C30G	- Economics of Labour	54
C20H	- Accounting and Control	54



(ii) GEOGRAPHY:

1st Year:

Hours:

C110	- Major World Environment s -	50
C111	- East African Environment -	25
C112	- Practical Geography / Quantitative Techniques I -	105

2nd Year:

Hours:

C210	- Principles of Physical & Biological Geography -	150
C211	- Africa	50
C212	- Population Geography -	25
C213	- Practical Geography/ Quantitative Techniques II -	75

3rd Year:

Hours:

C310	- Economic Geography -	50
C311	- Problems of Regional Development	50
C312	- Population Geography -	25
C313	- Agricultural Geography -	50
C314	- Development of Modern Geography -	50
C315	- Advanced Geomorphology -	50
C316	- Advanced Biogeography -	50
C317	- Advanced Climatology & Hydrology -	50
C318	- Pacific Ocean Basin & Eororderlands -	50

3rd Year Geography (Cont.)

3rd Year

C319	-	Arid & Semi Arid Lands	-	50
C31C	-	Political Geography	-	50
C31D	-	Demography	-	25
C31E	-	Practical Geography/ Quantitative Techniques III-		75
C31F	-	Dissertation	-	

(iii) GOVERNMENT:

1st Year:

Hours:

C120	-	Basic Concepts in Government	-	99
C121	-	Politics in Africa	-	99

2nd Year:

Hours:

C220	-	International Relations	-	99
C221	-	History of Political Thought	-	99
C222	-	Comparative Political Sociology	-	99
C223	-	Theory and Method of Political Inquiry	-	99
C224	-	Public and Development Administration	-	99
C225	-	Southern Africa in World Politics	-	99
C226	-	Political Systems of the Developing Areas	-	99
C227	-	Political Systems of Selected Regions	-	99

2nd Year Government (Cont.)

<u>2nd Year:</u>	<u>Hours:</u>
C228 - Political Dynamics -	99
C229 - Political Integration -	99
C22C - Comparative Politics of Industrial States	99

<u>3rd Year:</u>	<u>Hours:</u>
C320 - Developing Countries and International Relations -	99
C321 - Analytical Political Philosophy -	99
C322 - African Political Thoughts	99
C323 - Social Science Methodology -	99
C324 - Administrative Theory -	99
C325 - Politics and Government in East Africa -	99
C326 - Comparative Local Administration -	99
C 30D - Public Finance -	
C 306 - International Economics	
C329 - International Law	
C 300 - Economic Development	
C32D - Administrative Law	
C32E - Government Accounting & Controls	
C32F - French	
C32G - Strategic Studies	
C32H - Politics and Social Change -	99
C32J - Issues in Public Policy -	99
C32K - International Organizations -	99

(iv) HISTORY:

<u>1st Year:</u>	<u>Hours:</u>
C130 - Sources of African History -	99
C131 - Africa: Regional Surveys -	99
 <u>2nd Year:</u>	
C230 - History & Theory in Africa -	80
C231 - Imperialism & Nationalism in Africa and India. -	80
C232 - History of Religions in Africa -	80
C233 - Africa & the Black Diaspora -	80
C234 - East Asia in the 19th & 20 th Centuries. -	80
C235 - Europe in the 19th Century -	80
C236 - History of Political Ideas -	80
C237 - History of the U.S.S.R.	80
C238 - Latin American History from 15th Century -	80
C239 - History of the United States of America -	80
C23C - African Economic History -	80
C23D - Regional Surveys of Africa -	80
C23E - Prehistory of Africa -	99
 <u>3rd Year:</u>	
C330 - Themes in East African History -	80
C331 - History of Kenya -	99
C332 - Dissertation -	30

(v) FRENCH:

<u>1st Year:</u>		<u>Hours:</u>
C140	- Advanced French Language	- 100
C141	- Cultures and Literatures of the French speaking world	- 100
 <u>2nd Year:</u>		
C240	- Aspects of Contemporary French Culture	- 75
C241	- African & Carribean prose fiction in French	- 100
 <u>3rd Year:</u>		<u>Hours:</u>
C340	- Culture of the French Speaking World outside Europe.	- 75
C341	- Survey of French Literature	- 75
C342	- French thought from Descartes to the present	- 100
C343	- Advanced translation	- 75
C344	- French prose friction	- 75
C345	- Classical and modern French Theatre	- 75
C346	- French poetry of the 19th & 20th Centuries	- 75
C347	- African, Carribean & Malagasy poetry and theatre	- 75

3rd French(Cont.)

3rd Year:

Hours

C348	- African and Carribean theoretical and critical writing in French	75
C349	- Special topic in Language, Literature or Culture.	75

LINGUISTICS & AFRICAN LANGUAGES:

1st Year:

C150	- An introduction to the Study of Language	66
C151	- Introductory Study of Swahili	99
C152	- Introductory Study of English	66

2nd Year:

C250	- General Linguistics 1	33
C251	- Swahili Structure	33
C252	- English Structure	33
C253	- Analysis of Modern Swahili texts	66
C254	- Advanced Study of English Style and register	33
C255	- Sociolinguistics	33
C256	- Comparative historical Linguistics	33
C23E	- Prehistory of Africa (C227)	99
C281	- History of Philosophy	99
C260	- Oral Literature	99
C261	- European Literature	99
C262	- Theory of Literature & Styllistics	99
C267	- Literature in Swahili	99
C265	- Drama	99
C290	- Social Structure of East African Societies	75

<u>3rd Year</u>	<u>Hours</u>
C350 - General Linguistics 11 (Syntax & Morphology)	66
C351 - Swahili Structure	33
C352 - Analysis of Old Swahili text	33
C353 - Description of Modern English	66
C354 - Dissertation	
C355 - Advanced English Structure	
C356 - A Study of Latin, Greek, Modern French, Arabic, German, Russian etc.	
C360 - African Literature	99

(vii)

LITERATURE:

1st Year

C160 - East African Literature	99
C161 - Theory of Literature & Language Use	99

2nd Year

C260 - Oral Literature	99
C261 - European Literature	99
C262 - Theory of Literature & Styllistics	99
C263 - Latin American Literature	99
C264 - Indian Literature	99
C265 - Drama	99
C266 - Theatre Arts	99
C267 - Literature in Swahili	99

<u>3rd Year</u>		<u>Hours</u>
C360	- African Literature	99
C361	- Literature of the African Diaspora.	99
C362	- North American Literature	99
C363	- Educational Drama	99
C364	- Modern Poetry	99
C365	- Children's Literature	99
C366	- Dissertation	99
C367	- Other Papers	99
C368	- Options from other Departments	99

i) MATHEMATICS (Arts)

1st Year

Coding to be the same as in Faculty of Science

2nd Year

Coding to be the same as in the Faculty of Science.

3rd Year

Coding to be the same as in the Faculty of Science.

PHILOSOPHY AND RELIGIOUS STUDIES

1st Year

C180	- Problems of Philosophy	82
C181	- Logic	82
C182	- Philosophy of Religion	82
C183	- Comparative Religion	82
C184	- The Phenomenon Religion	82



<u>2nd Year</u>		<u>Hours</u>
C280	- Ethics	82
C281	- History of Philosophy	82
C282	- The African Tradition of Religion	82
C283	- Islamic Civilization & Culture	82
C284	- Christian Development	82
C285	- Introduction to New Testament	82
C286	- Introduction to Old Testament	82
C287	- Empirical Study of Religion in East Africa	82

3rd Year

C380	- Metaphysical Problems	82
C381	- Contemporary Philosophy	82
C382	- African Social Philosophy	50
C383	- Empirical Study of Religion in Africa	50
C384	- Islam in Africa	82
C385	- Christianity in Africa	82
C386	- Canon, Text & Translation of the Bible	82
C387	- Theology of the Bible	82
C388	- Contemporary Religious Thought	82
C389	- Arabic, Greek, Hebrew and Latin	82

x) SOCIOLOGY:

1st Year

C190	- Introduction to Sociology and Anthropology	75
C191	- Rural Sociology	75
C192	- Social Work- Principles and Methods of Social Work and Community Development	75
C193	- Social Work - Introduction to Sociology and Anthropology	75

<u>2nd Year</u>		<u>Hours</u>
C290	- Social Structure of East African Societies	75
C291	- Social Theory	75
C292	- Methods of Social Investigation	75
C293	- Demography	75
C294	- Race, Ethnicity and Stratification	75
C295	- Social Work - Sociology of Education	75
C296	- Social Work - Methods of Social Work	75
C297	- Social Work - Community Development and Social Welfare	75
C298	- Social Work - Social Psychology	75
C299	- Social Work - Methods of Social Investigation	75
C224	- Public & Development Administration	90

3rd Year

C390	- Social Change and Social Development	75
C391	- Social Psychology	75
C392	- Criminology	75
C393	- Political Sociology	75
C394	- Dissertation	75
C395	- Urban Social Structure	75
C396	- Formal Organisation	75
C397	- Statistics	75
C398	- Social Work - Social Change and Development	75
C399	- Social Work Honours Dissertation	75
C39C	- Social Work - Fieldwork and Field Practice	75
C39D	- Family and Child Welfare	75
C39E	- Community Action	75
C39F	- Health and Disease	75
C39G	- Deviation and Rehabilitation	75

(Sociology Cont.)

<u>3rd Year</u>		<u>Hours</u>
C39H	- Community Health	90

4. FACULTY OF COMMERCE: Hours

<u>1st Year</u>		
D100	- Introduction to Economics	120
D101	- Business Law 1	120
D102	- Fundamentals of Accounting	120
D103	- Quantitative Methods 1	120
D104	- Business Studies (half course)	60
D105	- Behavioural Science 1	60

<u>2nd Year</u>		
D200	- Economic Theory	120
D201	- Intermediate Accounting	120
D202	- Behavioural Science 11	60
D203	- Managerial Accounting	60
D204	- Organisation Theory	60
D205	- Finance 1	60
D206	- Computing Science 1	60
D207	- Business Statistics 1	60
D208	- Marketing I	120

<u>3rd Year</u>		
D300	- Advanced Accounting	120
D301	- Auditing	120
D302	- Business Policy & Decisions	120
D303	- Taxation	60
D304	- Cost Accounting	60

Hours3rd Year

D305	-	Marketing II	120
D306	-	Banking Practice and Law	120
D307	-	Quantitative Methods II	
D308	-	Business Statistics II	
D309	-	Computing Science II	
D310	-	Systems Analysis	
D311	-	Company Law	
D312	-	Finance II	
D313	-	International Marketing	
D314	-	Labour Relations and Law	
D315	-	Management of Co-operatives	
D316	-	Insurance Practice and Law	
C204	-	Comparative Economic Systems	54
C205	-	Agricultural Economics	54
C300	-	Economic Development	54
C304	-	Economics of Industry and Labour	54
C305	-	Money, Banking and Finance	54
C306	-	International Economics	54

5. FACULTY OF EDUCATION:1st Year

(ARTS)

Hours

E1000	-	General Psychology and Child Development	60
-------	---	--	----

(Education Continued)

Hours

1st Year

E101	-	Educational Foundations (History & Phil)	60
E103	-	General Methods	

2nd Year

E200	-	Educational Psychology (Stats & Test & Measurements)	30
E201	-	Educational Foundations (Contemporary issue)	30
E202	-	Curriculum Development	30
E203	-	Educational Technology and General Methods	26
E204	-	Special Teaching Methods (hours vary from 26 to 64 hours)	
E205	-	Teaching practice	114

3rd Year

E300	-	Educational Psychology	60
E301	-	Educational Foundations (Comp., Soc. and Ad. Phil.)	60
E303	-	Educational Administration Planning and Economics of Education	30

6. FACULTY OF ENGINEERING

		<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
(i)	Civil Engineering	F100	F200	F300
(ii)	Electrical "	F110	F210	F310
(iii)	Mechanical "	F120	F220	F320
(iv)	Surveying and Photogrammetry	F130	F230	F330

(i) CIVIL ENGINEERING: Hours

1st Year

F100	-	Theory of Structures 1	91
F101	-	Soil Mechanics & Engineering Geology	104
F102	-	Fluid Mechanics 1	91
F103	-	Mechanics of Solids	91
F104	-	Civil Engineering Drawing	104
F105	-	Engineering Surveying 1	91
F106	-	Mathematics 1	91
F107	-	Economics (half course)	52

2nd Year

Hours

F200	-	Theory of Structures 11	130
F201	-	Structural Design (coursework only)	130
F202	-	Soil Mechanics 11 & Highway and Traffic Engineering 1	91
F203	-	Fluid Mechanics 11	91
F204	-	Hydrology & Public Health Engineering 1	91
F205	-	Civil Engineering Materials	91
F206	-	Computer Programming (half course) (coursework only)	52

(Civil Engineering Cont.)

<u>2nd Year</u>		<u>Hours</u>
F207	- Engineering Surveying 11	65
F208	- Mathematics 11	104
C20H	- Engineering Management (Accounting and Control)	52
 <u>3rd Year</u>		
F300	- Theory of Structures 111 (half course)	52
F301	- Soil Mechanics 111 (half course)	52
F302	- Civil Engineering Design	130
F303	- Fluid Mechanics (half course)	52
F304	- Civil Engineering Project	104
F305	- Theory of Structures 1V	91
F306	- Public Health Engineering	91
F 307	- Water Resources Engineering	91
F308	- Highway Engineering & Traffic	91
F309	- Engineering Surveying 111	65
D307	- Operations Research(Quantitative Methods II)	52
F30D	- Computer Programming (half course)	52
F30E	- Numerical Analysis	52

(ii) ELECTRICAL ENGINEERING:

1st Year

F110	- Electrical Physics	75
F111	- Electromagnetic Fields and Electrical Measurements 1	75
F112	- Electrical Circuit Theory	75
F113	- Electrical Machines	50
F114	- Mechanics of Fluids & Thermodynamics(for EE)	44

(Electrical Engineering Cont.)

Hours

F115	-	Engineering Drawing (for EE)	100
F116	-	Mechanics and Strength of Materials (for EE)	44
F106	-	Mathematics	100
F118	-	Computer Programming	30
F119	-	Laboratories	150

2nd Year

F210	-	Passive Circuits and Transmission Lines	75
F211	-	Active Circuits	75
F212	-	Electrodynamics and Insulating Materials	75
F213	-	Control Systems & Electrical Measurements II	75
F214	-	Telecommunications and Electroacoustics	75
F215	-	Electrical Machines	75
F216	-	Mechanical Engineering (for EE)	44
F217	-	Computer Programming	30
F208	-	Mathematics	100
F219	-	Laboratories	120

3rd Year

F310	-	Applied Electronics	75
F311	-	Control Engineering	75
F312	-	Engineering Project	100
F313	-	Maths .30 Functions of a Complex Variable.	75



(Electrical Engineering Cont.)Hours

F314	-	Telecommunications	75
F315	-	Microwaves and Antennas	75
F316	-	Electrical Machines and Electrical Power Generation	75
F317	-	Electrical Power Systems	75
F318	-	Laboratories	90

(iii) MECHANICAL ENGINEERING:1st Year

F120	-	Solid & Structural Mechanics	91
F121	-	Mechanics of Machines	91
F122	-	Thermodynamics	91
F123	-	Materials & Production Engineering	91
F124	-	Engineering Drawing	120
F125	-	Mechanics of Fluids (half course)	46
F126	-	Electrical Engineering	91
F106	-	Mathematics	120

2nd Year:

F220	-	Solid & Structural Mechanics	91
F221	-	Mechanics of Machines	91
F222	-	Thermodynamics	91
F223	-	Fluid Mechanics	91

(2nd Year Mechanical Engineering Continued)

<u>2nd Year:</u>			<u>Hours</u>
F224	-	Production Technology	91
F225	-	Materials Science	46
F226	-	Engineering Design	91
F227	-	Electrical Engineering	46
F206	-	Computer Programming	46
F208	-	Mathematics	120
F229	-	Management for Engineers	91

3rd Year:

F320	-	Solid Mechanics	91
F321	-	Mechanics of Machines and Automatic Control	91
F322	-	Thermodynamics	91
F323	-	Fluid Mechanics	91

(3rd Year Mechanical Cont.)

		<u>Hours</u>
F324	- Factory Management	91
F325	- Engineering Project	120
F326	- Elasticity & Plasticity (half course)	46
F327	Experimental Stress Analysis (half course)	46
F328	- Mechanical Vibrations (half course)	46
F329	- Air Conditioning & Refrigeration (half course)	46
F32C	- Power Plants (half course)	46
F32D	- Advanced Fluid Mechanics (half course)	46
F32E	- Non-Newtonian Fluid Mechanics (half course)	46
F32F	- Theory of Production Processes (half course)	46
D307	- Operations Research (Quantitative Methods II) (half course)	46
F32H	- Crop Processing: Plant Design (half course)	46
F32J	- Crop Processing (half course)	46
D30E	- Numerical Analysis (half course)	46
F30D	- Computer programming (half course)	46
F32M	- Management in Agriculture (half course)	46
F32N	- Engineering Project or Design in field of Agriculture (half course)	46
F32P	- Agricultural Material Processing (half course)	46
F32Q	- Materials Science (half course)	46

iv) SURVEYING AND PHOTOGRAMMETRY:

<u>1st Year</u>		<u>Hours</u>
F130	- Surveying (two papers)	250
F131	- Topography	80
F132	- Survey Drawing	75
F133	- Engineering Design (half course)	75
F106	- Mathematics	100
F135	- Physics (two papers)	175
<u>2nd Year</u>		
F230	- Surveying A	- 125
F231	- Map Production	- 55
F232	- Field Astronomy	75
F233	- Photogrammetry	125
F234	- Surveying B	125
F235	- Computer Programming	50
F208	- Mathematics	100
<u>3rd Year</u>		
F330	- Surveying	125
F331	- Photogrammetry A (half course) and Geodesy A (half course)	120
F332	- Land Planning	125
F30E	- Numerical Analysis (half course)	50
F334	- Land Law	50
F335	- Differential Geometry	50
F336	- Photogrammetry B	125
F337	- Geodesy B	125
F338	- Project	150

FACULTY OF LAW

<u>1st Year</u>		<u>Hours</u>
G100	- Criminal Law	198
G101	- Law of Contract	198
G102	- Law of Tort	198
G103	- Legal Systems and Legal Method	198
G104	- Constitutional Law and Government	198
<u>2nd Year</u>		
G200	- Land Law	198
G201	- Administrative and Local Government Law	198
G202	- Commercial Law	198
G203	- Equity	198
G204	- Law and Agriculture	198
G205	- Evidence	198
G206	- Public International Law	198
G207	- Customary Law	198
G208	- Criminology	99
G209	- Selected problems of Law and Social Change	99
<u>3rd Year</u>		
G300	- Dissertation	198
G301	- Business Associations	198
G302	- Family Law and Succession	198
G303	- Labour Law and Relations	198
G304	- Revenue Law	198
G305	- Banking Law and Negotiable Instruments	198
G306	- Insurance Law	198
G307	- International Economic Law	198
G308	- Jurisprudence	198
G309	- Private International Law (Conflict of Laws)	198
G310	- A Social Science subject (To be coded from the Department offering the course)	198

FACULTY OF MEDICINE

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>5th Year</u>
M.B.Ch.B.	H100	H200	H300	H400	H500
B.Sc. (Anatomy)		H210			
B.Pharm.	H120	H220	H320	H420	
B.D.S.	H130	H230	H330	H430	
ADN	H140	H240			

<u>1st Year M.B. Ch.B</u>			<u>Hours</u>
H100	-	Human Anatomy	550
H101	-	Physiology & Biostatistics	225
H102	-	Behavioural Science (Com. Health & Psychology)	60
H103	-	Biochemistry 1	

2nd Year M.B. Ch.B.

H200	-	Physiology
H201	-	Biochemistry 11

3rd Year M.B. Ch. B

H300	-	Pharmacology
H301	-	General Pathology

4th Year M.B.Ch.P

H400	-	Obstetrics & Gynaecology	440
H401	-	Paediatrics & Child Health	
H 402	-	Community Health (Papers 1 and 2)	780

5th Year M.B.Ch.B.

H500	-	Medicine	
H501	-	Surgery	
H502	-	Pathology & Forensic Medicine	
H503	-	Pharmacology and Therapeutics	
H504	-	All Subjects Multiple Choice	

B.Sc. (Anatomy)

H210	-	Written Paper	
H211	-	Oral examination	
H212	-	Practical examination	

B. Pharm.

1st Year

H120	-	Chemistry 1	180
H121	-	Physiology 1	150
H122	-	Biochemistry 1	180
* H123	-	Pharmaceutics 1	150
H124	-	Mathematics (remedial course)	60

2nd Year

H220	-	Chemistry 11	270
H221	-	Biochemistry 11	195
H222	-	Physiology	150

\* Subject to the approval by Senate

3rd Year

H320	-	Pharmaceutics 11	150
H321	-	Pharmacology 1	150
H322	-	Pharmaceutical Chemistry	180
H323	-	Pharmacognosy	330

4th Year

H420	-	Pharmaceutics 111	180
H421	-	Pharmacology 11	180
H422	-	Pharmaceutical Chemistry 11	180

B.D.S.

1st Year

H130	-	Human Anatomy	200
H131	-	Physiology	150
H132	-	Biochemistry	180
H133	-	Oral Anatomy & Physiology (including Essay)	150
H134	-	Oral Physiology (including Essay)	

2nd Year

H230	-	General Pathology & Microbiology	180
H231	-	Science of Dental Materials	30
H232	-	Dental Mechanics	220

3rd Year

H330	-	Dental Pharmacology	66
------	---	---------------------	----



(3rd Year B.D.S. Cont.)Hours

H331	-	Medicine	75
H332	-	Surgery	75

4th Year

H440	-	Prosthetic Dentistry	230
H441	-	Paedodontics and Orthodontics	100
H442	-	Oral Medicine and Oral Pathology	140
H443	-	Periodontology, Community and Preventive Dentistry	250
H444	-	Conservative Dentistry and Crown & Bridge	290
H445	-	Dental, Oral and Plastic Surgery	170
H446	-	Clinical Examination	380
H447	-	Oral Examination	380

DIPLOMA IN ADVANCED NURSING1st Year

C190	-	Introduction to Sociology	75
H140	-	Methods of Education	40
H141	-	Educational Psychology	80
H142	-	Community Health 1	60 (L) 120 (Pr.)
H143	-	Theory and Application of Biological Science	60 (L) 120 (Pr.)
H144	-	Theory and Application of Nursing Concepts	60 (L) 200 (Pr.)

2nd Year

H240	-	Community Health Nursing 11	60 (L) 120 (Pr.)
H241	-	Mental Health & Psychiatric Nursing	60 (L) 120 (Pr.)

(2nd Year Advanced Nursing Cont.)

Hours

H242	-	Curriculum and Instruction in Nursing	60 (L) 120 (Pr.)
H243	-	Administration of Nursing in Health Services and Schools of Nursing	60 (L) 120 (Pr.)

9. FACULTY OF SCIENCE: \*

		<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
(i)	Biochemistry	- 1 100	1 200	1 300
(ii)	Botany	- 1 110	1 210	1 3 10
(iii)	Chemistry	- 1 120	1 220	1 320
(iv)	Entomology**	- 1 130	1 230	1 330
(v)	Geography	- 1 140	1 240	1 340
(vi)	Geology	- 1 150	1 250	1 350
(vii)	Mathematics	- 1 160	1 260	1 360
(viii)	Meteorology	- 1 170	1 270	1 370
(ix)	Physics	- 1 180	1 280	1 380
(x)	Z00logy	- 1 190	1 290	1 390

(i) BIOCHEMISTRY:

1st Year

(No Courses)

\*\* Pending re-absorption into Zoology.

\* Faculty code to change from I to S as from 1978/79 academic year.

(Biochemistry Cont.)

<u>2nd Year</u>			<u>Hours</u>
1 200	-	Cellular Organisation & Chemistry of Biomolecules. (1 unit)	35
1 201	-	Enzymes & enzyme catalysis ( $\frac{1}{2}$ unit)	18
1 202	-	Basic metabolism I (1 unit)	35
1 203	-	Basic metabolism II (1 unit)	35
1 204	-	Biochemical techniques I (1 unit)	35
1 205	-	Membranes, specialised subcellular organelles and structures ( $\frac{1}{2}$ unit)	18
1 206	-	Immunochemistry ( $\frac{1}{2}$ unit)	18
1 207	-	Biochemistry (1 unit)	35
1 208	-	Human biochemical genetics ( $\frac{1}{2}$ unit)	18
1 209	-	Fundamentals of arthropod biochemistry ( $\frac{1}{2}$ unit)	18
 <u>3rd Year</u>			
1 300	-	Metabolic control and endocrinology (1 unit)	35
1 301	-	Further Enzymology (1 unit)	35
1 302	-	Mammalian tissue biochemistry (1 unit)	35
1 303	-	Biochemical Techniques II (1 unit)	35
1 304	-	Practical project (1 unit)	35
1 305	-	Nutrition biochemistry ( $\frac{1}{2}$ unit)	18
1 306	-	Biochemistry of microorganisms (1 Unit)	35
1 307	-	Clinical biochemistry techniques ( $\frac{1}{2}$ unit)	18

(ii) BOTANY:

<u>1st Year</u>			<u>Hours</u>
1 110	-	Plant Morphology and Development (1 unit)	35
1 111	-	Plant Function (1 unit)	35
1 112	-	Botanical Techniques (1 unit)	35
1 113	-	Ecology and Bioanalysis (1 unit)	35
1 114	-	Cell biology & Genetics (1 unit)	35
1 115	-	Agricultural Botany (2 units)	70
1 116	-	Botany for Food Science and Technology (1 unit)	35

2nd Year

1 210	-	Taxonomy of Higher Plants (1 unit)	35
1 211	-	Plant growth and development (1 unit)	35
1 212	-	General Microbiology (1 unit)	35
1 213	-	Plant Ecology (1 unit)	35
1 214	-	Biostatistics (1 unit)	35
1 215	-	General Genetics (1 unit)	35
1 216	-	Lower Plants ( $\frac{1}{2}$ unit)	18
1 217	-	Cytology ( $\frac{1}{2}$ unit)	18
1 218	-	Microbial Genetics ( $\frac{1}{2}$ unit)	18
1 219	-	Mycology ( $\frac{1}{2}$ unit)	18
1 21C	-	Marine Botany (1 unit)	35
1 21D	-	Fundamentals of Hydrobiology ( $\frac{1}{2}$ unit)	18

(Botany Cont.)

<u>3rd Year</u>		<u>Hours</u>
1 310	- Botany Research Project (1½ or 3 Units)	53 or 75
1 311	- Morphogenesis & Developmental Anatomy (1 unit)	35
1 312	- Environmental Physiology (½ unit)	18
1 313	- Plant Biochemistry & Physiology (1 unit)	35
1 314	- Evolution (1 Unit)	35
1 315	- Biosystematics & Palynology (1 unit)	35
1 316	- Economic Botany (½ unit)	18
1 317	- Population Genetics (1 Unit)	35
1 318	- Cytogenetics (½ Unit)	18
1 319	- Molecular Genetics (½ Unit)	18
1 31C	- Rangeland Ecology (½ Unit)	18
1 31D	- Plant Communities in East Africa (½ Unit)	18
1 31E	- Methods in Plant Ecology (½ unit)	18
1 31F	- Phytochemistry (1 Unit)	35
1 31G	- Mineral Nutrition (½ Unit)	18
1 31H	- Plant Pathology and Virology (½ Unit)	18
1 31J	- Industrial Microbiology (½ Unit)	18
1 31K	- Soil Microbiology (½ Unit)	18
1 31L	- Biology of Marine Algae (½ Unit)	18
1 31M	- Ecology of Benthic Marine Plants (1 Unit)	35
1 31N	- Phytoplankton (½ Unit)	18
1 31P	- Population Ecology (½ Unit)	18
1 31Q	- Advanced Biostatistics (½ Unit)	18

(3rd Year Botany Cont.)

Hours

1	31R	-	Computing Service ( $\frac{1}{2}$ Unit)	18
1	31S	-	Advanced Biogeography ( $\frac{1}{2}$ Unit)	18

(iii) CHEMISTRY:

1st Year

1	120	-	General and Inorganic Chemistry 1 (2 Units)	70
1	121	-	Physical Chemistry I (1 Unit)	35
1	122	-	Organic Chemistry I (1 Unit)	35
1	123	-	Physical Chemistry for Piology students (1 Unit)	35
1	124	-	Organic Chemistry for Piology students (1 Unit)	35
1	125	-	Chemistry for Agriculture	110
1	167	-	Elements of Mathematics I	35
1	168	-	" " " " 11	35

2nd Year

1	220	-	Physical methods of structural determination (1 Unit)	35
1	221	-	Spectroscopy as applied to Organic Compounds (1 Unit)	35
1	222	-	The Laws of Thermodynamics ( $\frac{1}{2}$ Unit)	18
1	223	-	Organic Chemistry II (1 Unit)	35
1	224	-	Comparative Study of s and p Block Elements (1 Unit)	35
1	225	-	Reaction Kinetics ( $\frac{1}{2}$ Unit)	18
1	226	-	Thermodynamics II and Practical Physical Chemistry (1 Unit)	35
1	227	-	Organic Chemistry III	35

(2nd Year Chemistry Cont.)

		<u>Hours</u>
1	228 - Introduction to the Chemistry of Carbohydrates ( $\frac{1}{2}$ Unit)	18
1	229 - Analytical Chemistry 1 (1 Unit)	35
1	22C - Comparative Study of d and f Block Elements (1 Unit)	35
1	22D - Analytical Chemistry 11 (1 Unit)	35
1	22E - Introduction to the Chemistry of Amino Acids, Peptides and Proteins	18
1	264 - Ordinary Differential Equations (Maths)	35
1	26G - Mathematics for Scientists	

3rd Year

1	320 - Theoretical Aspects of Co-ordination Chemistry (1 Unit)	35
1	321 - Solid State Chemistry 1 (Crystal Chem)	18
1	322 - Thermodynamics 111 and Practical and Physical Chemistry (1 Unit)	35
1	323 - Introduction to Colloid and Surface Chemistry ( $\frac{1}{2}$ Unit)	18
1	324 - Organic Chemistry 1V (1 Unit)	35
1	325 - Heterocyclic Chemistry & Introduction to Heterocyclic Compounds ( $\frac{1}{2}$ Unit)	18
1	326 - Radiochemistry, Radiation and Nuclear Chemistry ( $\frac{1}{2}$ Unit)	18
1	327 - Further Topics in Electrochemistry ( $\frac{1}{2}$ Unit)	35
1	328 - Quantum Chemistry (1 Unit)	35
1	329 - Advanced Stereo-Chemistry and Reactions of Alicyclic Molecules ( $\frac{1}{2}$ Unit)	18
1	32C - Group Theory (1 Unit)	35
1	32D - Inorganic Reaction Mechanisms ( $\frac{1}{2}$ Unit)	18
1	32E - Solid State Chemistry 11 (X-ray Diffraction) ( $\frac{1}{2}$ Unit)	18

1 32F	-	Advanced Surface Chemistry ( $\frac{1}{2}$ Unit)	18
1 32G	-	Advanced Topics in Electrochemistry (1 Unit)	35
1 32H	-	Thermodynamics IV (1 Unit)	35
1 32J	-	Electrochemistry of Co-ordination Compounds ( $\frac{1}{2}$ Unit)	18
1 32K	-	Introduction to the Chemistry of Lipids	18
1 32L	-	Introduction to the Chemistry of Terpenes and Steroids ( $\frac{1}{2}$ Unit)	18
1 32M	-	Research Project (2 Units)	70
1 32N	-	Aspects of Applied Chemistry 1 (Polymer Chemistry)	35

(iv) ENTOMOLOGY: (for 1977/78 only, pending re-organisation of the courses under Zoology)

1st Year

1 130	-	Entomology for Food Science and Tech. ( $\frac{1}{2}$ Unit)	18
1 131	-	Entomology for Agriculture (1 Unit)	35

2nd Year

1 230	-	Principles and Comparative Studies of arthropod morphology	35
1 231	-	Principles and Practice of arthropod classification (1 Unit)	35
1 232	-	Comparative approach to arthropod Physiology (1 Unit)	35
1 233	-	Sensory Physiology of Arthropods ( $\frac{1}{2}$ Unit)	18
1 234	-	Arthropod behaviour and Social Structure ( $\frac{1}{2}$ Unit)	18
1 235	-	Arthropod developmental biology ( $\frac{1}{2}$ Unit)	18



(2nd Year Entomology Cont.)Hours

1 236	-	Biostatistics (1 Unit)	35
1 237	-	Stored products entomology ( $\frac{1}{2}$ Unit)	18
1 238	-	Natural History of arthropods (1 Unit)	35
1 239	-	Aquatic entomology (1 Unit)	35
	-		
1 212	-	General Microbiology (1 Unit)	35

3rd Year

1 330	-	Principles of arthropod ecology (1 Unit)	35
1 331	-	Principles of insect pathology	35
1 332	-	Arthropods as disease vectors (1 Unit)	35
1 333	-	Arthropods affecting men and animals (1 Unit)	35
1 334	-	Arthropods affecting crops and trees (1 Unit)	35
1 335	-	Elements of pest management (1 Unit)	35
1 336	-	Pollinating insects in Agriculture ( $\frac{1}{2}$ Unit)	18
1 337	-	Dispersal and migration of arthropods ( $\frac{1}{2}$ Unit)	18
1 338	-	Physiological ecology of arthropods (1 Unit)	35
1 339	-	Crop protection (Pests of Agricultural crops) (1 Unit)	35
1 209	-	Fundamentals of arthropod biochemistry ( $\frac{1}{2}$ Unit)	18
1 33E	-	Arthropod Toxins	
1 33F	-	Entomology Project	

(v) GEOGRAPHY \*

<u>1st Year</u>		<u>Hour s</u>
1 140	- The Earth's Physical Environment ( 1 Unit )	
1 141	- Spatial Organisation (1 Unit)	
1 142	- The East African Environment (1 Unit)	
1 143	- Practical/Quantitative Methods (1 Unit)	100
 <u>2nd Year</u>		
1 240	- Geomorphology (1 Unit)	
1 241	- Climatology (1 Unit)	
1 242	- Biogeography/Natural, Ecosystems (1 Unit)	
1 243	- Africa	
1 244	- Quantitative Techniques (1 Unit)	
1 245	- Population Geography	
1 246	- Economic Geography (1 Unit)	
1 247	- Cartography/Fieldwork (1 Unit)	
1 248	- Principles of Resource Dev. and Conservation (1 Unit)	
1 249	- Air photo interpretation/Remote Sensing (1 Unit)	
1 24C	- Research Methods (1 Unit)	
1 24D	- Pedology and Soil Mapping (1 Unit)	
1 24E	- Extra Departmental course (1 Unit)	

\* hours still to be supplied to fit in with the course unit system.

(3rd Year (Geography))

Hours

1 34F	-	Advanced Geomorphology (1 Unit)	
1 34G	-	Advanced Climatology and Hydrology (1 Unit)	
1 34H	-	Advanced Biogeography and Natural Ecosystem (1 Unit)	
1 34J	-	Applied Hydrology (1 Unit)	
1 34K	-	Agricultural Geography (1 Unit)	
1 34L	-	Quantitative Methods (1 Unit)	
1 34M	-	Dissertation	
1 34N	-	Surveying and Cartography (1Unit)	
1 34P	-	Demography (1 Unit)	
1 34Q	-	Regional Planning (1 Unit)	
1 34R	-	Industrial Location (1 Unit)	
1 34S	-	Urban Geography (1 Unit)	
1 34T	-	Rural Settlements and Land Use (1 Unit)	
1 34U	-	Spatial Analysis (1 Unit)	
1 34V	-	Development of Modern Geography (1Unit)	
1 34W	-	Special Topics in Geography (1 Unit)	
1 34X	-	Geographical Thought and Theory (1 Unit)	
1 34Y	-	Remote Sensing	

(vi) GEOLOGY:

1st Year

1 150	-	Physical Geology (1 Unit)	35
1 151	-	Minerals and Rocks (1 Unit)	35
1 152	-	Structural Geology (1 Unit)	35
1 153	-	Historical Geology (1 Unit)	35

<u>(2nd Year (Geology))</u>			<u>Hours</u>
1 250	-	Mineralogy 1 (1 Unit)	35
1 251	-	Mineralogy 11 (1 Unit)	35
1 252	-	Structural Geology 1 (1 Unit)	35
1 253	-	Structural Geology 11 (1 Unit)	35
1 254	-	Palaeontology 1 (1 Unit)	35
1 255	-	Palaeontology 11 (1 Unit)	35
1 256	-	Geological Mapping (1 Unit)	35
1 257	-	Mineral identification (1 Unit)	35
1 258	-	Special Laboratory Techniques in Geology (1 Unit)	35
 <u>3rd Year</u>			
1 350	-	Petrology 1 (1 Unit)	35
1 351	-	Petrology 11 (1 Unit)	35
1 352	-	Economic Geology 1 (1 Unit)	35
1 353	-	Economic Geology 11 (1 Unit)	35
1 354	-	Historical Geology (1 Unit)	35
1 355	-	Seminar in Geology (1 Unit)	35
1 356	-	Exploration Geochemistry and Geophysics. (1 Unit)	35
1 357	-	Special Project in Geology (1 Unit)	35
1 358	-	Geology and Mineral Resources of Africa (1 Unit)	35
1 359	-	Petrographic Methods and Calculations ( $\frac{1}{2}$ Unit)	18
1 35C	-	Photogeology ( $\frac{1}{2}$ Unit)	18
1 35D	-	Prospecting for Minerals ( $\frac{1}{2}$ Unit)	18
1 35E	-	Hydrogeology ( $\frac{1}{2}$ Unit)	18
1 35F	-	Engineering Geology ( $\frac{1}{2}$ Unit)	18

vii) MATHEMATICS

<u>1st Year</u>		<u>Hours</u>
1 160	- Calculus 1 (1 Unit)	35
1 161	- Calculus 11 (1 Unit)	35
1 162	- Linear Algebra 1 (1 Unit)	35
1 163	- Analysis (1 Unit)	35
1 164	- Applied Vector Analysis (1 Unit)	35
1 165	- Classical Mechanics (1 Unit)	35
1 166	- Probability and Statistics 1 (1 Unit)	35
I 167	- Probability and Statistics 11 (1 unit)	35
1 168	- Elements of Mathematics 1 (1 Unit)	35
1 169	- Elements of Mathematics 11 (1 Unit)	35
1 16c	- Elements of Probability (1 Unit)	35
1 16D	- Elements of Statistics (1 Unit)	35
 <u>2nd Year</u>		
1 260	- Real Analysis 1 (1 Unit)	35
1 261	- Real Analysis 11 (1 Unit)	35
1 262	- Linear Algebra 11 (1 Unit)	35
1 263	- Complex Analysis (1 Unit)	35
1 264	- Ordinary Differential Equations (1 Unit)	35
1 265	- Methods (1 Unit)	35
1 266	- Numerical Analysis 1 (1 Unit)	35
1 267	- Computer Science 1 (1 Unit)	35
1 268	- Fluids (1 Unit)	35
1 269	- Statistics 1 (1 Unit)	35
1 26C	- Statistics 11 (1 Unit)	35
1 26D	- Sample Surveys (1 Unit)	35
1 26E	- Quality Control and Acceptance Sampling (1 Unit)	35

2nd Year Mathematics Cont.Hours

1 26F	-	Algebra 1 (1 Unit)	35
1 26G	-	Mathematics for Scientists (1 Unit)	35

3rd Year (Mathematics)

1 360	-	Abstract Algebra 1 (1 Unit)	35
1 361	-	Abstract Algebra 11 (1 Unit)	35
1 362	-	Measure and Theory Integration (1 Unit)	35
1 363	-	Differential Geometry (1 Unit)	35
1 364	-	Topology 1 (1 Unit)	35
1 365	-	Topology 11 (1 Unit)	35
1 366	-	Option 1 (1 Unit)	35
1 367	-	Option 11 (1 Unit)	35
1 368	-	Operation Research 1 (1 Unit)	35
1 369	-	Operation Research 11 (1 Unit)	35
1 36C	-	Partial Differential Equations (1 Unit)	35
1 36D	-	Numerical Analysis 11 (1 Unit)	35
1 36E	-	Option 111 (1 Unit)	35
1 36F	-	Statistical Inference 1 (1 Unit)	35
1 36G	-	Statistical Inference 11 (1 Unit)	35
1 36H	-	Time Series Analysis (1 Unit)	35
1 36J	-	Design and Analysis of Experiments (1 Unit)	35

(viii) METEOROLOGY:

<u>1st Year</u>	(Atmospheric Science)	<u>Hours</u>
1 170	- Meteorological instruments and Observation Methods (1 Unit)	35
1 171	- Physical Meteorology	35
1 172	- Clouds and Precipitation (1 Unit)	35
1 173	- Atmospheric Motions Systems (1 Unit)	35
1 160	- Calculus 1 (1 Unit)	35
1 161	- Calculus 11	35
1 162	- Linear Algebra 1	35
1 163	- Analysis (1 Unit)	35
1 164	- Applied Vector Analysis ( 1 Unit)	35
1 165	- Classical Mechanics (1 Unit)	35
1 166	- Probability and statistics 1 (1 Unit)	35
1 167	- Probability and statistics 11 (1 Unit)	35
1 180	- Mechanics, Dyamics and Energy ( 1 Unit)	35
1 181	- Vibrations, Waves and Optics (1 Unit)	35
1 182	- Electricity and Magnetism 1	35
1 183	- Modern Physics (1 Unit)	35
 <u>2nd Year</u>		
1 260	- Real Analysis 1 (1 Unit)	35
1 261	- Real Analysis II (1 Unit)	35
1 262	- Linear Algebra 11 (1 Unit)	35
1 26F	- Algebra 1 (1 Unit)	35
1 263	- Complex Analysis (1 Unit)	35
1 264	- Ordinary Differential Equations ( 1 Unit)	35

<u>2nd Year (Meteorology)</u>		<u>Hours</u>
1 265	- Methods (1 Unit)	35
1 266	- Numerical Analysis 1 (1 Unit)	35
1 267	- Computer Science 1 (1 Unit)	35
1 268	- Fluids (1 Unit)	35
1 269	- Statistics 1 (1 Unit)	35
1 26C	- Statistics 11 (1 Unit)	35
 <u>3rd Year</u>		
1 370	- Meteorological Instruments and Methods of Observation ( 1 Unit)	35
1 371	- Physical Meteorology 1 (1 Unit)	35
1 372	- Physical Meteorology 11 (1 Unit)	35
1 373	- Cloud Physics ( $\frac{1}{2}$ Unit)	18
1 374	- Dynamics of Atmospheric Motion 1 (1 Unit)	35
1 375	- Dynamics of Atmospheric Motion 11 (1 Unit)	35
1 376	- Micrometeorology ( $\frac{1}{2}$ Unit)	18
1 377	- Synoptic Meteorology (1 unit)	35
1 378	- General Circulation ( $\frac{1}{2}$ Unit)	18
1 379	- Physical and General Climatology ( $\frac{1}{2}$ unit)	18
1 37C	- Tropical Meteorology (1 $\frac{1}{2}$ Units)	53
1 37D	- Statistical Methods in Meteorology (1 Unit)	35
1 37E	- Hydrology and Agrometeorology (1 Unit)	35
1 37F	- Project work ( $\frac{1}{2}$ Unit)	18
1 37G	- Measurement of Climate in Ecology ( $\frac{1}{2}$ Unit)	18



3rd YearHours

1 380	-	Electricity & Magnetism III (1 Unit)	35
1 381	-	Quantum Mechanics (1 Unit)	35
1 382	-	Thermal Physics (1 Unit)	35
1 383	-	Atomic Physics (1 Unit)	35
1 384	-	Solid State Physics (1 Unit)	35
1 385	-	Practical Physics (1 Unit)	100
1 386	-	Statistical Mechanics ( $\frac{1}{2}$ Unit)	17
1 387	-	Geophysics (1 Unit)	35
1 388	-	Aeronomy ( $\frac{1}{2}$ Unit)	17
1 389	-	Advanced Solid State Physics ( $\frac{1}{2}$ Unit)	17
1 38C	-	Geo-and palaeo-Magnetism ( $\frac{1}{2}$ Unit)	17
1 38D	-	Advanced Electronics (1 Unit)	35
1 38E	-	Practical Physics (1 Unit)	100

...../55

(x)	<u>ZOOLOGY:</u>	<u>Hours</u>
<u>1st Year</u>		
1 190	- Vertebrate Zoology ( 1 Unit )	35
1 191	- Invertebrate Zoology (1 Unit)	35
1 192	- Mammalian Physiology and Histology (1 Unit)	35
1 193	- Ecology and Bioanalysis (1 unit)	35
1 114	- Cell Biology and Genetics. (1 unit)	35
1 194	- Zoology for Food Science and Technology (1 unit)	35
1 195	- Zoology for Agriculture (2 ½ Units)	88
1 196	- Ecology for Architecture Design and Development (½ Unit)	18
<u>2nd Year</u>		
1 214	- Biostatistics (1 unit)	35
1 291	- Fundamentals of Hydrobiology (½ Unit)	18
1 292	- Cell Biology (½ Unit)	18
1 293	- Developmental Biology (1 Unit)	35
1 294	- Freshwater Biology (1 Unit)	35
1 295	- Marine Biology (1 Unit)	35
1 296	- Natural History	
1 297	- History and Philosophy of Biology (½ Unit)	18
<u>3rd Year</u>		
1 390	- Parasitology (1 Unit)	35
1391	- Immunology (1 Unit)	35
1 392	- Arthropod Biology (1 Unit)	35
1 393	- Comparative Physiology (1 Unit)	35

3rd Year Zoology Cont.Hours

1	394	-	Comparative Endocrinology ( $\frac{1}{2}$ Unit)	18
1	395	-	Ichthyology (1 Unit)	35
1	396	-	Ecology ( $\frac{1}{2}$ Unit)	18
1	397	-	Mammalogy ( $\frac{1}{2}$ Unit)	18
1	398	-	Ethology ( $\frac{1}{2}$ Unit)	18

Advanced Courses:

1	399	-	Invertebrate Endocrinology (1 Unit)	35
1	39C	-	Hypothalamo-hypophy Seal functions (1 Unit)	35
1	39D	-	Regulation of metabolism (1 Unit)	35
1	39E	-	Steroid Hormones (1 Unit)	35
1	39F	-	Gastro-intestinal hormones ( $\frac{1}{2}$ Unit)	18
1	39G	-	Research Project (4 Units)	140
1	201	-	Enzymes and enzyme catalysis ( $\frac{1}{2}$ Unit)	18
1	204	-	Biochemical techniques 1 (1 Unit)	35
1	20 <del>7</del>	-	Biochemistry for Biologists (1 Unit)	35
1	300	-	Metabolic Control (1 Unit)	35
1	39H	-	Advanced Biostatistics ( $\frac{1}{2}$ Unit)	18
1	39J	-	Computing ( $\frac{1}{2}$ Unit)	18
1	39K	-	Population Ecology ( $\frac{1}{2}$ Unit)	18
1	39L	-	Social Organisation (1 Unit)	35
1	39M	-	Energetics and Production Ecology ( $\frac{1}{2}$ Unit)	18
1	39N	-	Techniques in Wildlife Ecology (1 Unit)	35
1	39P	-	Application of Ecology ( $\frac{1}{2}$ Unit)	18
1	39Q	-	Research Project (4 Units)	140

Advanced Courses Cont.Hours

1	39R	-	Measurement of Climate in Ecology ( $\frac{1}{2}$ Unit)	18
1	39S	-	Soil Science for Ecologists (1 Unit)	35
1	317	-	Population Genetics (1 Unit)	35
1	31D	-	Plant Communities in East Africa ( $\frac{1}{2}$ Unit)	18
1	31E	-	Methods in Plant Ecology ( $\frac{1}{2}$ Unit)	18
1	39T	-	Parasitic Protozoa (1 Unit)	35
1	39U	-	Parasitic helminths (1 Unit)	35
1	39V	-	Biochemistry and Physiology of parasites (1 Unit)	35
1	39W	-	Immunology of Parasitic Infections (1 Unit)	35
1	39X	-	Control and Chemotherapy of Parasitic Infections (1 Unit)	35
1	39Y	-	Ecology and Behaviour of parasites ( $\frac{1}{2}$ Unit)	18
1	39Z	-	Molluscan vectors of human and animal diseases ( $\frac{1}{2}$ Units)	18
1	3ZC	-	Arthropod vectors of human and animal diseases ( $\frac{1}{2}$ Unit)	18
1	3ZD	-	Research Project (4 Units)	140
1	3ZE	-	Adaptations of Aquatic Fauna (1 Unit)	35
1	3ZF	-	The Ecology of Lakes (1 Unit)	35
1	3ZG	-	Stream Ecology ( $\frac{1}{2}$ Unit)	18
1	3ZH	-	Freshwater Fauna ( $\frac{1}{2}$ Unit)	18
1	3ZJ	-	Thermal, alkaline and temporary waters ( $\frac{1}{2}$ Unit)	18
1	3ZK	-	Applications of Freshwater Biology ( $\frac{1}{2}$ Unit)	18
1	3ZL	-	Marine Fauna (1 Unit)	35
1	3ZM	-	Adaptations of Marine animals ( $\frac{1}{2}$ Unit)	18
1	3ZN	-	Ecology and Behaviour of Marine animals ( $\frac{1}{2}$ Unit)	18

(Advanced Courses Cont.)Hours

1	3ZP	-	Fish Breeding ( $\frac{1}{2}$ Unit)	18
1	3ZQ	-	Ecology of Fish Populations ( $\frac{1}{2}$ Unit)	18
1	3ZR	-	Systematic Ichthyology (1 Unit)	35
1	3ZS	-	Biotechniques in Fisheries ( $\frac{1}{2}$ Unit)	18
1	3ZT	-	Research Project (4 Units)	140

10) FACULTY OF VETERINARY MEDICINE1st Year

J 100	-	Veterinary Anatomy	350
J 101	-	Physiology	225
J 102	-	Biochemistry	225

2nd Year

J 200	-	Animal Production	320
J 201	-	Microbiology	250
J 202	-	Parasitology	150
J 203	-	Pathology	250

3rd Year

J 300	-	Medicine (including Clinical Pathology)	140
J 301	-	Surgery	100
J 302	-	Reproduction and Obstetrics	60
J 303	-	Pharmacology and Toxicology	155
J 304	-	Public Health (35 hours lectures + 70 hours practicals) taught in 3rd year but in the 4th year - see J 401)	105
J 305	-	Special Pathology	135

Veterinary Medicine Cont.Hours4th Year

J 400	-	Medicine (Pathology, Animal Production and Law )	380
J 401	-	Public Health (35 hours lectures and 70 hours Meat Inspection Practicals taught in 3rd year)	213
J 402	-	Surgery (including Radiobiology)	240
J 403	-	Reproduction and Obstetrics	125

12) SCHOOL OF JOURNALISM1st Year

K 100	-	Communication Techniques	30
K 101	-	Theory of Mass Communication	30
K 102	-	History of Journalism	30
K 103	-	Typing, Shorthand	
K 104	-	Law in relation to Journalism	30
K 105	-	Contemporary Affairs	30
K 106	-	Language Techniques	30
K 107	-	Media Work	
K 108	-	Media Management	30
K 109	-	Journalism and National Development 1	30

2nd Year

K 200	-	Advanced Communication Techniques	180
K 201	-	Applied Mass Communication Research	
K 202	-	Contemporary Affairs: Comparative News Evaluation	

(School of Journalism Cont.)Hours

K 203	-	Advanced Language Techniques	
K 204	-	Media Work	
K 205	-	African Culture and Society	
K 206	-	International Trade	
K 207	-	Journalism and National Development 11	30
K 208	-	Economics	30
K 209	-	Government	30
K 210	-	Shorthand	

INSTITUTE OF ADULT STUDIES

			<u>Hours</u>
M100	-	Foundations Planning and Administration of Adult Education	- 164
M101	-	Approaches to Adult Learning	- 164
M102	-	Urban and Rural Development	- 176
M103	-	Project	- 294

UNIV. LIBRARY