

## Course Structure for Cross Cutting Courses

YEAR ONE SEMESTER ONE							
Cross Cutting Courses							
Code	Course Name	LH	TH	PH	CH	CU	Remarks
ICT 1101	Computer Literacy	30	00	30	45	3	Core
CWS 1102	Communication and Writing Skills	45	00	00	45	3	Core
ETH 1103	Ethics and Integrity	45	00	00	45	3	Core
KSL 1104	Kiswahili Language Basic Skills	45	00	00	45	3	Core
YEAR ONE SEMESTER TWO							
ENT 1201	Entrepreneurship Skills	45	00	00	45	3	Core
KSL 1202	Kiswahili Language Intermediate Skills	45	00	00	45	3	Core

## COURSE STRUCTURE FOR PROFESSIONAL COURSES

YEAR ONE SEMESTER ONE							
EDT 1101	History of Education	45	00	00	45	3	Core
EDT 1102	Introduction to Educational Psychology	45	00	00	45	3	Core
EDT 1103	Foundations of Curriculum	45	00	00	45	3	Core
YEAR ONE SEMESTER TWO							
EDT 1201	Comparative Education	45	00	00	45	3	Core
EDT 1202	Human Growth and Development	45	00	00	45	3	Core
EDT 1203	Curriculum Design and Development	45	00	00	45	3	Core
YEAR TWO SEMESTER ONE							
EDT 2101	Learning and Classroom Behavior	45	00	00	45	3	Core
EDT 2102	Sociology of Education	45	00	00	45	3	Core
EDT 2103	Philosophy and Ethical Issues in Education	45	00	00	45	3	Core
YEAR TWO SEMESTER TWO							
EDT 2201	Economics of Education	45	00	00	45	3	Core
EDT2202	Curriculum Implementation, Innovation and the Teacher	45	00	00	45	3	Core
EDT 2203	General Methods of Teaching	45	00	00	45	3	Core
EDT 2204	Research Methods in Education	45	00	00	45	3	Core
EDT 2205	Education Information Systems	45	00	00	45	3	Core
RECESS TERM							
EDT2206	First School Practice	00	00	150	75	5	Core
YEAR THREE SEMESTER ONE							
EDT 3101	Education Measurement and Evaluation	45	00	00	45	3	Core
EDT 3102	Education Administration	45	00	00	45	3	Core
EDT 3103	Special Needs Education	45	00	00	45	3	Core
EDT 3104	Educational Technology	45	00	00	45	3	Core

YEAR THREE SEMESTER TWO							
EDT 3201	Guidance and Counselling	45	00	00	45	3	Core
EDT 3202	Teachers Professional Ethics	45	00	00	45	3	Core
EDT 3204	Comparative Education and Contemporary Issues	45	00	00	45	3	Core
EDT 3205	Research Report	00	00	150	75	5	Core
RECESS TERM							
EDT3206	Second School Practice	00	150	150	75	5	Core

## AGRICULTURE COURSES

Agriculture Courses: Year One Semester I							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
AGR 1101	Rural and Agriculture Development	45	00	00	45	3	Core
AGR 1102	Principles of Agriculture Economics	45	00	00	45	3	Core
AGR 1103	Introductory Crop Science	45	00	00	45	3	Core
Agriculture Courses: Year One Semester II							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
AGR 1201	Agronomy and Crop Physiology	45	00	00	45	3	Core
AGR 1202	Annual & Perennial Crops	45	00	00	45	3	Core
AGR 1203	Animal Production	45	00	00	45	3	Core
Agriculture Courses: Year Two Semester I							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
AGR 2101	Pig & Poultry Production	45	00	00	45	3	Core
AGR 2102	Biochemistry & Genetics	45	00	00	45	3	Core
AGR 2103	Soil Science I	45	00	00	45	3	Core
Agriculture Courses: Year Two Semester II							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
AGR 2201	Agricultural Communication & Extension	45	00	00	45	3	Core
AGR 2202	Crop Protection	45	00	00	45	3	Core
AGR 2203	Farm Machinery,	45	00	00	45	3	Core
	Power & Structures						
Agriculture Courses: Year Three Semester I							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS

AGR 3101	Animal Breeding and Health	45	00	00	45	3	Core
AGR 3102	Soil Science II	45	00	00	45	3	Core
AGR 3103	Horticulture and Postharvest Management	45	00	00	45	3	Core
Agriculture Courses: Year Three Semester II							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
AGR 3201	Animal Physiology & Nutrition	45	00	00	45	3	Core
AGR 3202	Marketing & Farm Management	45	00	00	45	3	Core
AGR 3203	The Special Research Project	45	00	00	45	3	Core

## MATHEMATICS COURSES

Mathematics courses Year One Semester 1							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS
MAT 1101	Numerical Analysis I	30	30	00	45	3	Core
MAT 1102	Calculus I	30	30	00	45	3	Core
MAT 1103	Probability And Statistics I	30	30	00	45	3	Core
MAT 1104	Linear Algebra I	30	30	00	45	3	Core
Mathematics courses Year One Semester 2							
MAT 1201	Real Analysis I	30	30	00	45	3	Core
MAT 1202	Calculus II	30	30	00	45	3	Core
MAT 1203	Classical Mechanics	30	30	00	45	3	Core
Mathematics courses Year Two Semester 1							
MAT 2101	Linear Algebra II	30	30	00	45	3	Core
MAT 2102	Linear Programming	30	30	00	45	3	Core
MAT 2103	Differential Equations 1	30	30	00	45	3	Core
MAT 2104	Abstract Algebra	30	30	00	45	3	Core
Mathematics courses Year Two Semester 2							
MAT 2201	Complex Variables	30	30	00	45	3	Core
MAT 2202	Real Analysis II	30	30	00	45	3	Core
MAT 2203	Mathematics Teaching Methods	30	30	00	45	3	Core
MAT 2204	Missing	30	30	00	45	3	Core
Mathematics courses Year Two Semester 2							
MAT 3101	Mathematical Modeling	30	30	00	45	3	Core

MAT 3102	Differential Equations 11	30	30	00	45	3	Core
MAT 3103	Calculus 111	30	30	00	45	3	Core
<b>Mathematics courses Year Two Semester 2</b>							
MAT 3201	Probability And Statistics 11	30	30	00	45	3	Core
MAT 3202	Numerical Analysis 11	30	30	00	45	3	Core
MAT 3203	Analytical Mechanics	30	30	00	45	3	Core
MAT 3204	Missing	30	30	00	45	3	Core

## ECONOMICS COURSES

<b>Economics courses Year One Semester 1</b>								
<b>CODE</b>	<b>COURSE NAME</b>	<b>LH</b>	<b>TH</b>	<b>PH</b>	<b>CH</b>	<b>CU</b>	<b>REMARKS</b>	
ECON 1101	Micro Economics	45	00	00	45	3	Core	
ECON 1102	Mathematics and statistics for Economics	45	00	00	45	3	Core	
<b>Economics courses Year One Semester 2</b>								
ECON 1201	Macro Economics	45	00	00	45	3	Core	
ECON 1202	Principles of Development Economics	45	00	00	45	3	Core	
<b>Economics courses Year Two Semester 1</b>								
ECON 2101	Mathematical Economics	45	00	00	45	3	Core	
ECON 2102	Monetary Economics	45	00	00	45	3	Core	
ECON 2103	Industrial Economics	45	00	00	45	3	Core	
<b>Economics courses Year Two Semester 2</b>								
ECON 2201	Economic Planning and Policy	45	00	00	45	3	Core	
ECON 2202	Quantitative Methods	45	00	00	45	3	Core	
ECON 2203	Methods of Teaching Economics	45	00	00	45	3	Core	
<b>Economics courses Year Three Semester 1</b>								
ECON 3101	International economics	45	00	00	45	3	Core	

ECON 3102	Resource and Environmental Economics	45	00	00	45	3	Core
ECON 3103	Econometrics	45	00	00	45	3	Core

**Economics courses Year Three Semester 2**

ECON 3201	Public Sector economics	45	00	00	45	3	Core
ECON 3202	Money, Banking and Public finance.	45	00	00	45	3	Core
ECON 3203	Labour Economics	45	00	00	45	3	Core

## COMPUTER EDUCATION COURSES

Computer Education Courses Year One Semester 1							
CSE 1101	Introduction to Computer Systems	45	00	00	45	3	Core
ICT 1102	Computer Applications	30	00	60	60	4	Core
Computer Education Courses Year One Semester 2							
CSE 1201	Computer Hardware & Laboratory Management	45	00	00	45	3	Core
CSE 1202	Fundamentals of Database Systems	30	00	30	45	3	Core
Computer Education Courses Year Two Semester 1							
CSE 2101	Principles of Programming with C	30	00	30	45	3	Core
CSE 2102	Networks and Data Communication	45	00	00	45	3	Core
CSE 2103	Managing IT Projects	45	00	00	45	3	<i>Elective</i>
CSE 2104	Computer Architecture and Organization	45	00	00	45	3	<i>Elective</i>
Computer Education Courses Year Two Semester 2							
CSE 2201	Internet Technology and Web Development	30	00	60	60	4	Core
CSE 2202	Information Security and Ethical Issues in IT	45	00	00	45	3	Core
CSE 2203	Teaching Methods for Computer Education	45	00	00	45	3	Core
CSE 2204	Mathematics for IT Professionals	45	00	00	45	3	<i>Elective</i>
CSE 2205	Application Development with Visual Basic	45	00	00	45	3	<i>Elective</i>
Computer Education Courses Year Three Semester 1							
CSE 3101	System Analysis and Design	45	00	00	45	3	Core
CSE 3102	Emerging Trends in Technology	45	00	00	45	3	Core
CSE 3103	Software Development with UML	45	00	00	45	3	<i>Elective</i>
CSE 3104	Object Oriented System development with Java	45	00	00	45	3	<i>Elective</i>
Computer Education Courses Year Three Semester 2							
BCE 3201	Principles of Operating Systems	45	00	00	45	3	Core
BCE 3202	Principles of Software Engineering	45	00	00	45	3	Core
BCE 3203	Dissertation	45	00	00	45	3	Core
BCE 3204	Distributed Systems	45	00	00	45	3	Core

# GEOGRAPHY COURSES

YEAR ONE SEMESTER ONE							
CODE	COURSE NAME	LH	TH	PH	CH	CU	REMARKS

GEO 1101	The Earth 's Physical Environment	45	00	00	45	3	Core
GEO 1102	Human Geography	45	00	00	45	3	Core
<b>YEAR ONE SEMESTER TWO</b>							
GEO 1201	Practical Geography	15	00	60	45	3	Core
GEO 1202	Development Geography of East Africa	45	00	00	45	3	Core
<b>YEAR TWO SEMESTER ONE</b>							
GEO 2101	Quantitative Geography and Research Methods	45	00	00	45	3	Core
GEO 2102	Geomorphology	45	00	00	45	3	Core
GEO 2103	Agriculture and Development Geography	45	00	00	45	3	Elective
GEO 2104	Settlement Geography	45	00	00	45	3	Elective
<b>YEAR TWO SEMESTER TWO</b>							
GEO 2201	Geography Teaching Methods	45	00	00	45	3	Core
GEO 2202	Climatology	45	00	00	45	3	Core
GEO 2203	Population Geography	45	00	00	45	3	Core
<b>YEAR THREE SEMESTER ONE</b>							
GEO 3101	Regional Development Geography of America	45	00	00	45	3	Core
GEO 3102	Advanced Climatology	45	00	00	45	3	Core
GEO 3103	Geography of Rural Development	45	00	00	45	3	Core
<b>YEAR THREE SEMESTER TWO</b>							
GEO 3201	Systematic Geography of Uganda	45	00	00	45	3	Core
GEO 3202	Advanced Geomorphology	45	00	00	45	3	Core
GEO 3203	Regional Development Geography of Europe and Asia	45	00	00	45	3	Core
GEO 3204	Field Work, Research Project and report	15	00	60	45	3	Core
GEO 3205	Urban Geography	30	00	30	45	3	Elective