

PROGRAM MODULE STRUCTURE

Year I: GEOGRAPHY AND MATHEMATICS WITH EDUCATION

Module Code	Module title	Units	Credits
MAN 113	1. Mathematical Analysis I	- Mathematical Logic - Differential and Integral Calculus	15
MAL 113	2. Linear Algebra and Geometry I	- Linear Algebra I - Analytical Geometry I	15
STP121	Statistics and Probability	- Descriptive Statistics - Probability	15
GEP 113	Physical Geography	- Introduction to Physical Geography - Physical Geography	20
GEH 123	Human Geography	- Introduction to Human geography - Human geography	15
GEV 113	Environmental Geography	- Principles of Environmental Conservation and Management - The East African Environment - Rwandan Environment	10
GEP 123	General Educational Psychology	- Introduction to psychology - Development Psychology - Learning Psychology	20
GPM 122	General Pedagogy and Methodology	- General Pedagogy - Principles of Teaching	15
SSK 111	Study skills	- Academic writing - ICT	10
ERE 121	Introduction to educational research and Evaluation Methods	- Introduction to Educational Research - Evaluation Methods	15
SPE111	Sociological and Philosophical Foundations of Education	- Sociology of Education - Philosophy of education	10
Total			160

Award: Certificate of Education in Mathematics and Geography

Year II: GEOGRAPHY AND MATHEMATICS WITH EDUCATION

Module Code	Module title	Units	Credits
MAN 212	1. Mathematical Analysis II	- Calculus of Several Variables Functions - Ordinary Differential Equations	10
MAL 213	2. Linear Algebra and Geometry II	- Linear Algebra II - Analytical Geometry II	10
GET 223	Techniques in Geography	- Map and Aerial Photo Interpretation - Surveying and Cartography	20
GEE 212	Economic Geography	- General Economic Geography - Industrial geography	10
GEM 212	Geomorphology	- Geomorphology - Applied Geomorphology	10
GEA 212	Agricultural and Tourism Geography	- Agricultural Geography - Geography of Recreation and Tourism	10
ENT 211	Entrepreneurship	Entrepreneurship	10
GER 211	Remote sensing and Geographical Information System (GIS)	Remote sensing and Geographical Information System (GIS)	10
MGT 223	Mathematics and Geography Teaching Methods	- History Teaching Methods - Geography Teaching Methods	20
REM 212	Scientific Research Methodology	Scientific Research Methodology	10
ISE 211	Inclusive and Special Education	- Special need Education - Inclusive Education	10
EDT211	Education Technology	- Education Technology - Improvisation in Education	10
CD 111	Curriculum Development	- Curriculum Development - Competence Based curriculum	10
EDT 211	Teaching Practice		10
Total			160

Award: Advanced Diploma of Education in Geography

Year III: GEOGRAPHY WITH EDUCATION

Module Code	Module title	Units	Credits
GEC 311	Climatology and Hydrology	- Climatology - Hydrology	10
GEN 312	Geography of Natural Resources	- Introduction to Geography of Resources - Arid and Semi-arid Land Resource Management - Coastal and Marine Resource management	15
EDE 312	Urban and Political Geography	- Urban Geography - Political Geography	15
GEG 313	Population Geography	- Population geography description - Demography	20
GES 312	Soil Study and land Degradation	- Soil Study - Land Degradation	15
GEA 312	Applied Remote sensing and Geographical Information System (GIS)	Applied Remote sensing and Geographical Information System (GIS)	15
SML311	School Management and Legislation	- School management - School Legislation	10
EMS 311	School management and Legislation	- School Management - School Legislation	10
INT 324	Internship		30
REP 324	Research Project		30
Total			160

Award: Bachelor of Education with Honors in Geography