KENYATTA UNIVERSITY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF GEOGRAPHY

BACHELOR OF EDUCATION PROGRAMME

For a student to be registered for the Degree of Bachelor of Education in Geography, the minimum University entry requirements must be satisfied. In addition, the student must have obtained a minimum of grade B- in Geography and C+ in Mathematics in KCSE or its equivalent. The following regulations shall apply to the B.Ed students taking Geography.

a) Geography students must take 3 core units in the 100 series and 4 core units in the 200 series.

b) Geography MAJORS will be required to register in 4 core units and 2 electives. REGULARS must take all the 4 core units offered, while MINORS will take any 2 core units. This requirement applies to both the 300 and 400 series. The students can only be allowed to MAJOR in Geography with the approval of the Department.

COURSE STRUCTURE

LEVEL 100

CORE UNITS
AGE 100 Introduction to Cartography and Map Analysis
AGE 101 Development of Geographical Thought
AGE 102 Physical Geography I

LEVEL 200

CORE UNITS
AGE 200 Quantitative and Qualitative Techniques in Geography
AGE 201 Physical Geography II
AGE 202 Human Geography
AGE 203 Geography of East Africa

LEVEL 300

CORE UNITS
AGE 300 Aerial Photography and Resource Mapping
AGE 301    Physical Geography III
AGE 302    Geography of Africa
AGE 303    Geography of Development

ELECTIVES
AGE 304    Biogeography
AGE 305    Hydrology and Water Resources I
AGE 306    Climatology
AGE 307    Geomorphology
AGE 308    Arid and Semi-Arid Lands (ASAL)
AGE 309    Settlement Geography
AGE 310    Agricultural Geography
AGE 311    Population Geography
AGE 312    Historical Geography
AGE 313    Geography of Tourism
AGE 314    Rural Development
AGE 315    Geography of Poverty
AGE 316: Oceanography I
AGE 317: Geographic Information Systems (GIS) I.

LEVEL 400

CORE UNITS
AGE 400    Remote Sensing (RS)
AGE 401    Environmental Geography
AGE 402    Surveying
AGE 403    Applied Bio-geography

ELECTIVES
AGE 404    Hydrology and Water Resources II
AGE 405    Geography of Hazards
AGE 406    Applied Geomorphology
AGE 407    Fluvial Geomorphology
AGE 408    Rock Material and Structure
AGE 409    Applied Climatology
AGE 410    Urban Geography
AGE 411    Transport Geography
AGE 412    Industrial Geography
AGE 413    Political Geography
AGE 414    Regional Planning
AGE 415    Geography of Marketing
AGE 416    Geography of Energy
AGE 417    Research Project
AGE 418    Geographic Information Systems (GIS) II.
AGE 419    Oceanography II
BACHELOR OF ARTS PROGRAMME

For a student to be registered for the Degree of Bachelor of Arts in Geography, the minimum University entry requirements must be satisfied. In addition, the student must have obtained a minimum of grade B- in Geography and C+ in Mathematics in KCSE or its equivalent. The following regulations shall apply to the B.A. students taking Geography.

a) Geography students must take 3 core units in the 100 series and 3 core units and 1 elective in the 200 series.

b) In the 300 and 400 series, Geography is offered on 2:2, 2:1 or 1:1 basis. The 2:2 programme students will register for the 5 core units and 1 elective in the 300 series and 4 core 1 elective in the 400 series. Those in the 2:1 programme must register for 5 core units and 3 electives in the 300 series and 4 core and 8 electives in the 400 series. The 1:1 programme requires a student to register for 12 units in each of the 300 and 400 series including the cores. The 2:1, and 1:1, programmes require the approval of the Department.

COURSE STRUCTURE

LEVEL 100

CORE UNITS
AGE 100 Introduction to Cartography and Map Analysis
AGE 101 Development of Geographical Though
AGE 102 Physical Geography I

LEVEL 200

CORE UNITS
AGE 200 Quantitative and Qualitative Techniques in Geography
AGE 201 Physical geography II
AGE 202 Human Geography

ELECTIVES
AGE 203 Geography of Africa
AGE 204 Economic Geography
AGE 205 Soil Geography
AGE 206 Medical Geography

LEVEL 300

CORE UNITS
AGE 300 Aerial Photography and Resource Mapping
AGE 301 Physical Geography III
AGE 302  Geography of Africa
AGE 303  Geography of Development
AGE 308  Arid and semi-Arid Lands (ASAL)

ELECTIVES
AGE 304  Biogeography
AGE 305  Hydrology and Water Resources I
AGE 306  Climatology
AGE 307  Geomorphology
AGE 309  Settlement Geography
AGE 310  Agricultural Geography
AGE 311  Population Geography
AGE 312  Historical Geography
AGE 313  Geography of Tourism
AGE 314  Rural Development
AGE 315  Geography of Poverty
AGE 316  Oceanography I
AGE 317  Geographic Information Systems (GIS) I.

LEVEL 400

CORE UNITS
AGE 400  Remote Sensing (RS)
AGE 401  Environmental Conservation
AGE 402  Surveying
AGE 405  Geography of Hazards

ELECTIVES
AGE 403  Applied Biogeography
AGE 404  Hydrology and Water Resources II
AGE 406  Applied Geomorphology
AGE 407  Fluvial Geomorphology
AGE 408  Rock Material and Structure
AGE 409  Applied Climatology
AGE 410  Urban Geography
AGE 411  Transport Geography
AGE 412  Industrial Geography
AGE 413  Political Geography
AGE 414  Regional Planning
AGE 415  Geography of Marketing
AGE 416  Geography of Energy
AGE 417  Research Project
AGE 418  Geographic Information Systems (GIS) II.
AGE 419  Oceanography II
BACHELOR OF SCIENCE PROGRAMME

For a student to be registered for the Degree of Bachelor of Science in Geography the minimum University entry requirements must be satisfied. In addition, the student must have obtained a minimum of grade B- in Geography and C+ in Mathematics in KCSE or its equivalent. The following regulations shall apply to the B.Sc. students taking Geography.

a) Geography students must take 4 core units in the 100 series and; 2 core units and 1 elective in the 200 series.

b) In the 300 and 400 series, Geography is offered on 2:2, 2:1 or 1:1 basis. The 2:2 programme students will register for the 5 core units in the 300 and 4 core and 1 elective in the 400 series. Those in the 2:1 programme must register for 5 core units and 2 electives in the 300 series and 4 core and 6 electives in the 400 series. The 1:1 programme requires a student to register for 10 units in each of the 300 and 400 series including the cores. The 2:1, and 1:1, programmes require the approval of the Department.

COURSE STRUCTURE

LEVEL 100

CORE UNITS
AGE 100 Introduction to Cartography and Map Analysis.
AGE 101: Development of Geographical Thought
AGE 102: Physical Geography I
AGE 103: Spatial Analysis

LEVEL 200

CORE UNITS
AGE 200 Quantitative and Qualitative Techniques in Geography
AGE 201 Physical Geography II

ELECTIVES
AGE 202 Human Geography
AGE 204 Economic Geography
AGE 203 Geography of Africa
AGE 205 Soil Geography
AGE 206 Medical Geography

LEVEL 300

CORE UNITS
AGE 300 Aerial Photography and Resource Mapping
AGE 301 Physical Geography III
AGE 303 Geography of Development
AGE 304 Biography
ELECTIVES
AGE 302  Geography of Africa
AGE 305  Hydrology and Water Resources I
AGE 306  Climatology
AGE 307  Geomorphology
AGE 308  Arid and Semi-Arid Lands (ASAL)
AGE 309  Settlement Geography
AGE 310  Agricultural Geography
AGE 311  Population Geography
AGE 312  Historical Geography
AGE 313  Geography of Tourism
AGE 314  Rural Development
AGE 315  Geography of Poverty
AGE 316  Oceanography I
AGE 317  Geographic Information Systems (GIS) I.

LEVEL 400
CORE UNITS
AGE 400  Remote Sensing (RS)
AGE 401  Environmental Conservation
AGE 402  Surveying
AGE 403  Applied Biogeography

ELECTIVES
AGE 404  Hydrology and Water Resources II
AGE 405  Geography of Hazards
AGE 406  Applied Geomorphology
AGE 407  Fluvial Geomorphology
AGE 408  Rock Material and Structure
AGE 409  Applied Climatology
AGE 410  Urban Geography
AGE 411  Transport Geography
AGE 412  Industrial Geography
AGE 413  Political Geography
AGE 414  Regional Planning
AGE 415  Geography of Marketing
AGE 416  Geography of Energy
AGE 417  Research Project
AGE 418  Geographic Information Systems (GIS) II.
AGE 419  Oceanography II
BACHELOR OF TOURISM STUDIES PROGRAMME

Entry Requirements
(a) For a student to be registered for the Degree of Bachelor of Tourism Studies, the minimum University requirements must be satisfied.
(b) In addition the student must have obtained a minimum grade of C+ in Geography, C in Mathematics, and C+ in English in KCSE or its equivalent or a Diploma from a recognized institution.
(c) Further, a waiver of two semester units shall be given to diploma candidates whose previous training was at least two years from a recognized institution.
(d) Students will be required to take additional units from Foreign Languages, Hospitality, Business and Environmental Departments so as to meet the University requirements.

Course Structure
Faculty School Common Unit
FAU 100: Cultural Studies

Level 100

Core Unit
TSA 100 : Foundations in Tourism Studies
TSA 101 : Tourism Services and Products Management
TSA 102 : Fundamentals of Accounting (CAC 100)
TSA 103 : Ecology
TSA 105 : Geography of East Africa
TSA 106 : Tour Management Principles and Procedures
TSA 107 : Introduction to Statistics

Elective Units
TSA 104 : Entrepreneurship Management (CBA 305)

Level 200

Core Units
TSA 200 : Advanced Statistics
TSA 201 : Introduction to Resource Management
TSA 202 : Tourism economics
TSA 203 : Ecotourism
TSA 204 : Wildlife Ecology and Management
TSA 205 : Event and Tourism Management

Elective Units
TSA 206 : Food and Beverage Management
TSA 207 : Culture and Peoples of Kenya
TSA 208 : Biodiversity
TSA 209 : Consumer Behaviour (CBA 310)

Level 300

Core Units
TSA 300 : Techniques in Tourism
TSA 301 : Tourism Planning and Policy 1
TSA 302 : Recreation, Environment and Tourism
TSA 303 : Internship/Practicum/Field Attachment
TSA 304 : Travel Agency Practice
TSA 305 : Wildlife Conflicts and Extension

Elective Units
TSA 306 : Sociology and Gender of Tourism
TSA 307 : French Usage 1 (AFF 101)
TSA 308 : German Language (AFG 100)
TSA 309 : Aesthetics in Tourism
TSA 310 : Organization Theory (CBA 300)

Level 400

Core Units
TSA 400 : Introduction to Research Methods and Materials
TSA 401 : Marketing in Tourism
TSA 402 : Public Speaking
TSA 403 : Tourism Cultural Heritage
TSA 404 : Research Project
TSA 405 : Recreation/Leisure

Elective Units
TSA 406 : Tourism Planning and Policy II (TSA 301 is a prerequisite)
TSA 407 : Seminars in Tourism Studies
TSA 408 : Tourism Law and Politics
TSA 409 : Public Relations in Tourism
TSA 410 : International Relations on Natural Resources
TSA 411 : Environmental Resource Administration
TSA 412 : Plant Resources
TSA 413 : Environmental Theory and Information Systems
POSTGRADUATE DEGREE PROGRAMS IN GEOGRAPHY

Admission Requirements
(a) The Postgraduate Programmes in Geography give candidates specialized training in specific disciplines.

(b) The approach, in line with geographical education worldwide emphasizes analytical skills, trends in the discipline and application to development.

(c) The Department has several MA/Msc. Programmes in the following areas:
   - Agricultural Geography
   - Biogeography
   - Climatology
   - Economic Geography
   - Geomorphology
   - Geography of Marketing
   - Industrial Geography
   - Medical Geography
   - Population Geography
   - Settlement Geography
   - Urban and Regional Planning
   - Hydrology and Water Resources
   - Tourism Studies
   - Integrated Watershed Management

(d) A Ph.D degree can be obtained in any of these areas upon completion of the Masters.

(e) Regulations for Master of Arts/Science in Geography Entry Requirements
   i) The common regulations for Masters degree in all schools shall apply.

   ii) The general regulations for all Masters degree in the Schools of Humanities & Social Sciences (SHSS) and the School of Pure Applied Sciences (SPAS) shall apply.

(f) The following shall be eligible for registration for the Masters degrees in Geography.
   i) A holder of a Bachelor of Arts, Science or Bachelor of Education with at least Upper Second Class Honours and has studied Geography as either a major or regular subject to degree level or its equivalent.
   ii) A holder of a Lower Second Class degree may be admitted provided the candidate can show proven evidence of research ability.
   iii) A holder of Higher National Diploma (HND) with proven research experience and upon passing a qualifying examination for the Msc. under SPAS.

Duration and Pattern of the Course
(a) The programme of study for the MA/MSc. degree in Geography consists of coursework, examination and thesis.

(b) The Masters degree in the Department shall extend over a period of at least 18 months.
   i) During the first year of study, candidates must take a total of eight units, three of which are CORE units.
   ii) The rest will be electives chosen from two or more of the specialized areas offered by the Department. In the Hydrology programme, the students will take a minimum of eight units, seven of which are CORE.
   iii) In the second year of study candidates will be required to carry out research and present a thesis.

MSG/MAG/MSH Course Units
Abbreviations:
   MAG – Master of Arts in Geography
   MSG - Master of Science in Geography
   MSH - Master of Science in Hydrology & Water Resources
   MWM – Master of Science in Watershed Management
   MTS - Master of Tourism Studies

Level 500
Core Units for MA/MSc. Geography
MSG/MAG 500 : General Research Methodology
MSG/MAG 501 : Geographic Thought and Methodology
MSG/MAG 502 : Advanced Quantitative Techniques

MA/MSc. Programme in Agricultural Geography
MSG/MAG 510 : Agricultural Systems and Rural Land-Use
MSG/MAG 511 : Seminar in Agricultural Geography of Africa
MSG/MAG 512 : Methods and Techniques of Agricultural Geography
MSG/MAG 513 : Topics in Agricultural Geography

MA/MSc. Programme in Biogeography
MSG/MAG 520 : Ecological Biogeography
MSG/MAG 521 : Contemporary Biogeography
MSG/MAG 522 : Methods and Techniques of Biogeography
MSG/MAG 523 : Palaeoecology

MA/MSc. Programme in Climatology
MSG/MAG 530 : Original and Development of Climatology
MSG/MAG 531 : Seminar in Applied Tropical Climatology of Africa
MSG/MAG 532 : Methods and Techniques of Climatology
MSG/MAG 533 : Topics in Climatology
MA/MSc. Programmes in Economic Geography
MSG/MAG 540 : Locational Behaviour
MSG/MAG 541 : Seminar in Economic Geography of Africa
MSG/MAG 542 : Methods and Techniques of Economic Geography
MSG/MAG 543 : Spatial Perspectives of Development and Under Development
MSG/MAG 544 : Topics in Economic Geography

MA/MSc. Programme in Geomorphology
MSG/MAG 550 : Geomorphological Principles I
MSG/MAG 551 : Geomorphological Principles II
MSG/MAG 552 : Methods and Techniques of Geomorphology
MSG/MAG 553 : Regional Studies in Land Form Development

MA/MSc. Programme in Geography of Marketing
MSG/MAG 560 : Systems of Central Places and Location of Marketing
MSG/MAG 561 : Seminar on Marketing Systems and Regions
MSG/MAG 562 : Methods and Techniques of Marketing Geography
MSG/MAG 563 : Rural Periodic Market Systems

MA/MSc. Programme in Industrial Geography
MSG/MAG 570 : Industrial Location Analysis
MSG/MAG 571 : Seminar in Industrial Location and Regional Development
MSG/MAG 572 : Methods and Techniques of Industrial Geography
MSG/MAG 573 : Topics in Industrial Geography

MA/MSc. Programme in Medical Geography
MSG/MAG 580 : Principles of Medical Geography
MSG/MAG 582 : Methods and Techniques of Medical Geography
MSG/MAG 583 : Topics in Medical Geography

MA/MSc. Programme in Population Geography
MSG/MAG 590 : Population Theories and Demographic Data Analysis
MSG/MAG 591 : Methods and Techniques of Demography
MSG/MAG 592 : Fertility and Mortality
MSG/MAG 593 : Population and Land Use
MSG/MAG 594 : Human Migration

MA/MSc. Programme in Settlement Geography
MSG/MAG 600 : Principles of Settlement Geography I
MSG/MAG 601 : Principles of Settlement Geography II
MSG/MAG 602 : Methods and Techniques of Settlement Geography
MSG/MAG 603 : Seminar in Population and Settlement in Tropical Africa

MA/MSc. Programme in Transport Geography
MSG/MAG 610 : Principles of Transport Geography I
MSG/MAG 611 : Principles of Transport Geography II  
MSG/MAG 612 : Methods and Techniques of Transport Geography  
MSG/MAG 613 : Topics in Transport Geography

**MA/MSc. Programme in Urban and Regional Planning**  
MSG/MAG 620 : Regional and Urban Spatial Patterns and Theories  
MSG/MAG 621 : Seminar in Urban and Regional Planning  
MSG/MAG 622 : Methods and Techniques of Planning Analysis  
MSG/MAG 623 : Urban Development  
MSG/MAG 624 : Rural Development  
MSG/MAG 625 : African Urban and Regional Economic Development

**M.Sc. Programme in Hydrology and Water Resources**

**Core Units**  
MSH 630 : Hydrological Processes  
MSH 631 : Ground Water Hydrology  
MSH 632 : Hydrometry and Surface Water Hydrology  
MSH 633 : Research Methods and Modelling  
MSH 634 : Hydraulics, Drainage Basins and Applied Hydrology  
MSH 635 : Assessment and Management of Water Resources  
MSH 636 : Data Processing in Hydrology

**Elective Units**  
MSH 637 : Agricultural Hydrology  
MSH 638 : Environmental Aspects of Hydrology  
MSH 639 : Hydrology of Arid and Semi Arid Lands (ASALS)  
MSH 640 : Ecolohydrology  
MSH 641 : Urban Hydrology

**Masters in Tourism Studies**

**Core Units**  
MTS 500 : General Research Methodology (MAA 500)  
MTS 501 : Service Operations and Management  
MTS 502 : Strategic Management  
MTS 504 : Tourism Marketing  
MTS 505 : Ecotourism Principles and Practices  
MTS 506 : Event Management in Leisure and Tourism  
MTS 507 : Legal Ethics in Tourism  
MTS 509 : Human Resource Management (CBA 506)  
MTS 511 : Tourism Entrepreneurship  
MTS 512 : Attachment/Internship  
MTS 514 : Project (= 4 UNITS)

**Elective Units**  
MTS 503 : Tourism Planning and Development
MTS 508 : Public Relations in Tourism
MTS 510 : Economics of Tourism
MTS 513 : Establishment Management

Note: Students of Tourism must do 16 units to graduate.

M.Sc. Programme in Integrated Watershed Management
Core Units
MWM 700: PRINCIPLES OF INTEGRATED WATERSHED MANAGEMENT
MWM 701: WATERSHED USE AND HUMAN INTERACTIONS
MWM 702: MAPPING, FIELD AND LABORATORY TECHNIQUES
MWM 703: RESEARCH METHODOLOGY
MWM 704: COMPUTING FOR WATERSHED MANAGEMENT
MWM 705: REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEMS
MWM 706: POLICY, LAWS AND INSTITUTIONS IN WATERSHED MANAGEMENT
MWM 707: SOCIO-ECONOMIC ASPECTS IN WATERSHED MANAGEMENT
MWM 708: WATERSHED EVALUATION PROJECT (Two Units)
MWM 709: WATERSHED DEGRADATION AND REHABILITATION
MWM 710: ENVIRONMENTAL SOCIAL AND ECONOMIC IMPACT ASSESSMENT
MWM 711: PARTICIPATORY WATERSHED MANAGEMENT PLANNING
MWM 721: MASTER THESIS

Electives
MWM 712: WATERSHED RESOURCES AND ENVIRONMENTAL ECONOMICS
MWM 713: WATERSHED PROCESSES AND MODELING
MWM 714: ECOLOGICAL SANITATION
MWM 715: WASTEWATER MANAGEMENT
MWM 716: WATER, ENERGY AND WASTE UTILITIES MANAGEMENT
MWM 717: GLOBAL CHANGE, IMPACTS AND RESPONSE IN WATERSHEDS
MWM 718: ENERGY USE IN A WATERSHED
MWM 719: SOLID WASTE AND HAZARDOUS MANAGEMENT
MWM 720: FINANCIAL INSTRUMENTS IN WATERSHED MANAGEMENT