

MASTER OF SCIENCE IN GEOLOGY Msc. (Geology)

Programme Structure

Year I: Semester I		
Course Code	Course	CU
GLO 7101	Instrumentation and Data Analysis	3
GLO 7102	Introduction to Computing and Elementary Statistics	2
GLO 7103	Regional Geology & Mineral Resources of Sub-Saharan Africa	2
GLO 7105	Principles of Environmental Geology	2
GLO 7204	Photo Geology and Remote Sensing	3
GLO 7106	Applied Mineralogy and Petrology	3
Semester II		
A student is expected to take at least 6 courses and must have a minimum of 17 course units. The course GLO 618 is compulsory and not optional.		
GLO 7201	Isotope Geology and Geochronology	2

GLO 7202	Applied Stratigraphy	2
GLO 7204	Hydrogeology	3
GLO 7202	Advanced Structural Geology and Geotectonics	3
GLO 7210	Economic Mineral Deposits and Management Resources	3
GLO 7205	Applied Geophysics	2
GLO 7206	Advanced Geochemistry	3
GLO 7207	Ore Microscopy	2
GLO 7208	Analysis of Sedimentary Basins	2
GLO 7209	Applied Geomorphology	2
GLO 7107	Soil Mechanics & Foundation Engineering	2
GLO 7211	Research Methods	
Project-work/Dissertation		
Year II: Semester I		
GL 619	Project - Fieldwork	8
GL 619	Project - Sample Preparation and Analysis	8

MASTER OF SCIENCE IN ZOOLOGY

Introduction

This programme aims to offer training areas of applied Zoology such that those who complete the degree will be qualified to undertake original research.

Applicants will normally be expected to hold at least an Upper Second Class degree, usually in Zoology, but those with good degrees in related subjects such as Agriculture, Forestry or Veterinary Medicine may also apply.

Options and Admission Requirements

Entomology: A good Bachelor of Science. degree

Parasitology: A good Bachelor Science degree with a Pass in the Hydrobiology option or with a Diploma in Fisheries.

Fisheries: A good Bachelor Science degree with a Pass in the Hydrobiology option or with a diploma in Fisheries.

Vertebrate Ecology: A good Bachelor of Science Degree with a Pass in the Applied Ecology/Wildlife Biology option

Outline of Syllabuses

The syllabus is cast in three parts. Part I consists of compulsory courses all of which are to be taken by every student. Part II consists of optional courses. The following are the optional courses from which each student will select one.

Options

1. Hydrobiology
2. Entomology with principles and practice of pest management
3. Entomology with arthropod physiology and biochemistry
4. Vertebrate ecology with Wildlife and Conservation
5. Vertebrate ecology and management of vertebrate pests

A number of the themes in options 2 and 3 are common, as are some of those for options 4 and 5. Part III consists of a research project based on one of the above options, leading to the submission of a thesis.