

DEPARTMENT OF GEOLOGY

Introduction

The Department of Geology, apart from offering Bachelor of Science and Postgraduate degree training, is at the forefront of geological research in Uganda, offering consultancies and services with construction companies, hydrogeology projects and geological exploration

GEOLOGY AS A SUBJECT

Year I: Semester I		
Course Code	Course	CU
GLO 1101	External Earth Processes	2
GLO 1102	Internal Earth Processes	2
Semester II		
GLO 1202	Petrology	3
GLO 1203	Regional Geology I	2
Year II: Semester II		
GLO 2101	Optical Mineralogy	4
GLO 2102	Structural Geology and Geotectonics	4
GLO 2103	Geophysics	2
GLO 2104	Introduction to Computing and Geostatistics	3
GLO 2101	Introduction to Natural Hazards	3

GLO 2107	Genesis of Gemstones and their Significance	2
Semester II		
GLO 2202	Sedimentary Petrology	2
GLO 2203	Stratigraphy	2
GLO 2204	Hydrogeology	2
Year III: Semester I		
GLO 3101	Igneous Petrology	3
GLO 3102	Economic Geology	4
GLO 3102	Seminar	2
GLO 3104	Industrial Field Attachment	3
GLO 3105	Sedimentology	2.5
GLO 3106	Prospecting and Mining Geology	3
Recess Term		
GLO 3104	Industrial Field Attachment	3
Semester II		
GLO 3201	Well Construction and Monitoring	2
GLO 3202	Regional Geology II	3
GLO 3204	Ore Microscopy	2
GLO 3203	Water Quality and Instrumentation Minerals in Uganda	2

BACHELOR OF SCIENCE IN GEOLOGICAL RESOURCE MANAGEMENT

Year I: Semester I		
Course Code	Course	CU
GLO 1101	External Earth Processes	2
GLO 1102	Internal Earth Processes	2
GRM 1101	Mineralogy and Petrology	4
GRM 1102	Surface Hydrology	3
CHM 1101	Basic Inorganic Chemistry	3
GRM 1103	Structural Geology and Tectonics	4
Semester II		
GRM 1201	Regional and Historical Geology	3
GRM 1202	Introduction to Optical Microscopy Techniques	4
GRM 1203	Economic Ore Deposits	3
GRM 1204	Basic Geochemistry of the Earth and Petroleum	3

GRM 1205	Introduction to Computing and Geostatistics	3
GRM 1206	Classification and Geotechnical Properties of Rocks and Soils	2
GRM 2107	Genesis of Gemstones & Their Significance	2
Year II: Semester I		
GRM 2101	Introduction to Natural Hazards	2
GRM 2102	Mineral Exploration and Mining Methods	3
GRM 2103	Industrial Minerals	3
GRM 2104	Petroleum Geology and well logging	3
GRM 2105	Site Investigations for Engineering Structures	3
GRM 2106	Groundwater Dynamics	2

GRM 2107	Genesis of Gemstones and their Significance	2
GRM 2108	Photo Geology	2
Year II: Semester II		
GRM 2201	Natural Hazards and Their Mitigation I	3
GRM 2202	Materials for Construction and Building	2
GRM 2203	Applied Geophysics	3
GRM 2204	Minerals of Uganda	2
GRM 2205	Environmental Geochemistry I	3
GRM 2206	Groundwater Exploration	3
GRM 2207	Special Map Interpretation	2
GRM 2208	Principal Methods of Gemstone Identification	2
Year II: Recess Term		
GRM 3104	Industrial Field Attachment	
Year III: Semester I		
GLO 3101	Igneous Petrology	2.5
GRM 3102	Seminar	2
GRM 3103	Scientific Project Proposal and Report Writing	4
GLO 3104	Industrial Field Attachment	3
GLO 3105	Sedimentology	2.5
GLO 3106	Prospecting and Mining Geology	3
GRM 3104	Environmental Geochemistry II	3
GRM 3155	Project Proposal	1
Year III: Semester II		
GRM 3201	Transportation Routes, Tunnels, Dams and Reservoirs	3
GRM 3203	Water Quality and Instrumentation	2
GRM 3204	Introduction to Economic Indices of Management	2

GRM 3205	Research Project	2
GRM 3206	Sources of Waste and Investigations around Disposal Sites	2
GRM 3258	Stratigraphy	3

Combining Courses From Different Years

Year I: Semester I		
Course Code	Course	CU
GRM 2251	Natural Hazards and their Mitigation I	3
GRM 3257	Natural Hazards and their Mitigation II	4
Year II: Semester II		
GRM 2201	Natural Hazards and their Mitigation	3
Courses Swapping Semester		
Year III: Semester I		
GRM 3101	Well Construction and Monitoring	4
GRM 3102	Seminar	2
GRM 3103	Scientific Project Proposal and Report Writing	3
GRM 3106	Remote Sensing	3
Semester II		
GRM 3203	Water Quality and Instrumentation	2
GRM 3204	Introduction to Economic Indices of Management of Geological Resources	2
GRM 3202	Remote Sensing	3

DEPARTMENT OF MATHEMATICS

Introduction

The Department of Mathematics has taught University Mathematics over the last 70 years. The Department teaches Mathematics in Faculties of Science, Education, Arts, Social Sciences; the Department of Pharmacy, Medical School, and the Institute of Statistics and Applied Economics. The Department offers courses in both Pure and Applied Mathematics as indicated below.

Year I: Semester I		
Course Code	Course	CU
MTH 1101	Calculus	3
MTH 1102	Elements of Probability and Statistics	3
Semester II		
MTH 1201	Calculus II	3
MTH 1202	Elements of Probability and Statistics	3
MTH 1255	Vector Calculus	3
MTH 1256	Classical Mechanics	3