



جامعة الحكمة إلورن نيجيريا

AL-HIKMAH UNIVERSITY, ILORIN- NIGERIA

Adeta Road, Adewole Housing Estate, P.M.B.1601, Ilorin
FACULTY OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF CHEMICAL AND GEOLOGICAL SCIENCES
B.SC GEOLOGY PROGRAMME
2019/2020 ACADEMIC SESSION
COURSE OUTLINE FOR:

COURSE CODE: GEM 106

COURSE TITLE: INTRODUCTION TO EARTH HISTORY II

1 CREDIT UNITS: 12 LECTURE PERIODS (TUESDAYS 4.15 – 5.15PM)

PRACTICAL CLASSES TO BE ANNOUNCED PERIODICALLY

COURSE LECTURER: DR. I. A. OKUNLOLA, 08033139881, iaokunlola@alhikmah.edu.ng

Week	Date	Topic	Highlights
1.	25/2/2020	Minerals (Part 1)	Introduction Definition of a mineral Mineraloid, Atoms and isotopes, Structures of Atoms
2.	29/2/2020	Field Geology	Field introduction of Geology through trekking from Adeta Campus University gate to Offa Garage Motor Park, Ilorin
3.	03/03/2020	Minerals (Part 2)	Crystal structure, Law of constancy of interfacial angles, Polymorphs
	10/03/2020	Continuous Assessment No. 1	
4.	10/03/2020	Mineral Resources	Introduction mineral resources classification
5.	17/03/2020	Mineral resources	Origin of mineral resources
6.	24/03/2020	Mineral resources	Mineral deposits and plate tectonics mineral exploration and production. Global mineral needs
	31/03/2020	Continuous Assessment No. 2	

7.	31/03/2020	Energy Resources (Part 1)	What is energy? Advantages and disadvantages of fossil fuel. Energy sources
8.	07/04/2020	Energy resources (Part 2)	Geology and energy resources
9.	14/04/2020	Energy resources (Part 3)	Oil traps Petroleum distribution oil shale and tar sands coal Energy for the future Renewable and non- renewable energy.
	21/04/2020	Continuous Assessment No. 3	
10.	21/04/2020	Subsidence: Dissolution & Human Related Causes (Part 1)	Surface Subsidence and Collapse, Carbonate Dissolution, Caves & Cave Formation, Sinkholes,
11.	28/4/2020	Subsidence: Dissolution & Human Related Causes (Part 2)	Removal of Solids and Mine Related Collapse, Coal Mining, Subsidence Caused by Fluid Withdrawal, Groundwater
	05/05/2020	Continuous Assessment No. 4	
12.	05/05/2020	Subsidence: Dissolution & Human Related Causes (Part 3)	Oil & Gas, Sinking Cities, Predicting and Mitigating Subsidence Hazards