



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Applied Geology

AGY 205 – Geological Map Interpretation

COURSE PARTICULARS

Course Code: AGY 205
Course Title: Geological Map Interpretation
No. of Units: 2
Course Duration: 1 Semester
Status: Compulsory
Course Email Address:
Course Webpage:
Prerequisite: AGY 101

COURSE INSTRUCTORS

Dr. C.T. Okonkwo
Dept. of Applied Geology ,

Mr. A. L. Adisa
Department of Applied Geology
Mr. O.A. Ogbahon

Department of Applied Geology

COURSE DESCRIPTION

This course introduces students to the techniques of map interpretation beginning from topographic maps and then on to geological maps.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to the reading of topographic maps
- teach students the techniques of geological map interpretation

COURSE LEARNING OUTCOMES / COMPETENCIES

After successfully completing this course, the student will be able to:

(Knowledge based)

- understand the main features of a topographic map
- read, interpret and analyse topographic maps
- Know the main features of geological maps

(Skills)

- Draw topographical profiles
- Draw structural cross-sections

- Determine the geological evolution of an area from geological maps

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Assignments	20%
Test(s)	20%
<u>Final Examination</u>	<u>60%</u>
<u>TOTAL</u>	<u>100%</u>

GENERAL INSTRUCTIONS

Attendance: All students are expected to attend all lectures and practicals. Attendance will be taken during these periods.

Academic Integrity: Every student is expected to show high standards of academic integrity. Infringements of this will be sanctioned in line with the provisions of the Students Handbook.

Assignments and Group Work: Assignments are to be done and submitted on schedule. Failure to do so will earn the defaulter zero for that assignment.

Code of Conduct in Lecture Rooms and Laboratories: Use of cell phones is prohibited during lectures. Eating and drinking are also prohibited during lectures.

READING LIST

Bennison, GM. and Moseley, K.A. 1997 *An Introduction to Geological Structures and Maps*, Arnold, London.

²Fayose, E.A. 2007. *Geological Map Exercises*. AENL Publishers, Ibadan.

³Lisle, R.J. 2004. *Geological Structures and Maps*. Elsevier, Oxford.

Ragan, D.M.1985. *Structural Geology*. Wiley and Sons, New York.

¹Powell, D. 1992. *Interpretation of Geological Structures through Maps*. Longman Scientific and Technical, London.

Legend

1- Available in the University Library

2- Available in bookshops

3. Available on the web.

13&14	Three-point problems	Relevant exercises will be solved. Take home assignments will be given to students.
15	REVISION	