

# **GLY 201 – PHYSICAL GEOLOGY**

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**COURSE TITLE:** Physical Geology

**COURSE CODE:** GLY 201

**CREDIT UNIT:** 2 Units

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**MODE OF DELIVERY:**

A combination of lectures and practical exercises would be used. The emphasis is placed primarily on the practical side of the course.

**INDICATIVE MODULE CONTENT**

Module	
1	Introduction - basic concepts
2	Planet Earth: its composition from core to crust
3	Weathering and other surface processes
4	Landforms and major earth structures
5	Interpretation of topographic and simple geology maps
6	Deformation processes - joints, faults and folds
7	Minerals and rocks-origin, distribution, identification and classification
8	<sup>1</sup> Practical identification of common rock - forming minerals and rocks
9	Revision

**ASSESSMENT PLAN**

One close-book examination	60%
Practical work	20%
Assignments	20%

This unit is assessed on a **continuous basis**. One assessment will be given and coursework that must be completed in the student's own time. Each student must complete the assignment individually. The weighting for the assessment is outlined below.

Assessment Title	Weighing %
Continuous Assessment	100

**RECOMMENDED BOOKS**

1. Introduction to Physical Geology – Thompson and Turk
2. Physical Geology – Plummer, *et al.*
3. Earth – An Introduction to Physical Geology, E.J. Tarbuck, F.K. Lutgens, and D. Tasa
4. Laboratory Manual in Physical Geology – Richard M. Busch, *Ed.*
5. Any other relevant physical geology text.

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<sup>1</sup> Laboratory/Field

Module 1 | Introduction

Module 2 | Planet Earth: its composition from core to crust

Module 3 | Weathering and other surface processes

Module 4 | Landforms and major earth structures

Module 5 | Interpretation of topographic and simple geology maps

Module 6 | Deformation processes - joints, faults and folds

Module 7 | Minerals and rocks-origin, distribution, identification and classification

Module 8 | Practical identification of common rock - forming minerals and rocks