



University of Pretoria Yearbook 2025

Structural geology and hydrogeology 370 (GLY 370)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	36.00
NQF Level	07
Programmes	BSc Chemistry BSc Environmental and Engineering Geology BSc Geology BSc Physics BSc specialising in Chemistry 4-year programme BSc specialising in Geology 4-year programme BSc specialising in Physics 4-year programme
Prerequisites	GLY 263
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Geology
Period of presentation	Semester 1

Module content

This is an integrated theoretical and practical module dealing with the principles and analysis of deformed rocks, as well as the movement of fluids like water and air through these rocks and other media such as soils and karst. Faults, folds and shear zones form and behave differently in terms of seismology and hydraulic behaviour in the vadose (unsaturated) and phreatic (saturated) zones. Underground water feeds rivers and biota for survival. It is, however, also susceptible to contamination and pollution causing changes in its quality due to many natural and anthropogenic activities. In countries like South Africa, where fractured aquifers dominate, structural geology is the first step in understanding this significant source of water.

General Academic Regulations and Student Rules

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the



relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information

The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.