

University of Pretoria Yearbook 2017

Structural geology 365 (GLY 365)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	18.00
Programmes	BSc Engineering and Environmental Geology BSc Geology
Prerequisites	Three of the second-year modules: GLY 255, GLY 261, GLY 262, GLY 253; special exemption is given to 4th-year Mining Engineering students who have completed their required 1st-year Geology modules
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Academic organisation	Geology
Period of presentation	Quarter 1

Module content

Integrated theoretical and practical course dealing with the principles of rock deformation and analysis of deformed rocks. Stress, strain and rheology, joints, experimental rock deformation, fault systems and Anderson's theory of faulting. Folds and interference folding, tectonic fabrics, shear zone, prograde deformation. Stereographic projection and structural analysis.

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