

University of Pretoria Yearbook 2016

Structural geology 254 (GLY 254)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
Programmes	BEng Mining Engineering BEng Mining Engineering Engage BSc Chemistry BSc Environmental and Engineering Geology BSc Environmental Sciences BSc Geography BSc Geoinformatics BSc Geology BSc Meteorology BSc Physics
Service modules	Faculty of Engineering, Built Environment and Information Technology
Prerequisites	GLY 151, GLY 161, WTW 114/WTW 158 and FSK 116/FSK 176
Language of tuition	English
Academic organisation	Geology
Period of presentation	Quarter 2

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 zones, progressive deformation. Stereographic projection and structural analysis.

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