

University of Pretoria Yearbook 2016

Sedimentology 253 (GLY 253)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
Programmes	BSc Environmental and Engineering Geology BSc Environmental Sciences BSc Geography BSc Geoinformatics BSc Geology BSc Physics
Prerequisites	CMY 117, CMY 127, GLY 155, GLY 161, GLY 162, WTW 114/WTW 158 and PHY 114
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	English
Academic organisation	Geology
Period of presentation	Quarter 3

Module content

Introduction to sedimentology; grain studies; composition and textures of sedimentary rocks; flow dynamics and behaviour of sediment particles in transport systems; description and genesis of sedimentary structures; diagenesis; depositional environments and their deposits, modern and ancient; chemical sedimentary rocks; economic sedimentology; field data acquisition from sedimentary rocks and writing of reports; sieve analysis; Markov analysis; analysis of palaeocurrent trends; interpretation of sedimentary profiles.

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