

University of Pretoria Yearbook 2022

Crustal evolution 704 (GLY 704)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	20.00
NQF Level	08
Programmes	BScHons Geology
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Geology
Period of presentation	Year

Module content

Precambrian crustal evolution. Precambrian plate tectonics. Precambrian evolution of the African plate (Eburnean, Kibaran and Pan-African events). Phanerozoic evolution to the African plate; global examples of tectonics as a continental crustal source. Determination of deformational history of crustal rocks; determination of palaeostress conditions in ancient crustal rocks. Practical experience of structural analysis and determination of deformational history. A one-week field trip to a tectonically complex area.

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