



University of Pretoria Yearbook 2022

Modern analytical methods and sampling theory 715 (GLY 715)

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

Modern analytical methods, including X-ray Diffraction (XRD), X-ray Fluorescence (XRF), inductively coupled mass spectrometry (ICP-MS), methods of isotopic analysis, and electron beam methods (EPMA, SEM, CT). An introductory statistical course in sampling methods, treatment of data, statistical validity, and basic geostatistics.

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