



University of Pretoria Yearbook 2017

Ore deposits and mining methods 706 (GLY 706)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	16.00
Programmes	BScHons Geology
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Geology
Period of presentation	Year

Module content

Systematic review of major metallic and non-metallic ore types and examples in South Africa and world-wide; ore type models (geometry, size, geodynamic setting, grade, chemistry/mineralogy). Controlling legislation and infrastructural requirements for mining. . Mining methods: open cast and underground. Metallurgical treatment, metallurgical plants and waste disposal. Pollution, acid drainage and acid rain.

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