

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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