



University of Pretoria Yearbook 2016

Geostatistics and ore reserve calculations 362 (GLY 362)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	18.00
Programmes	BSc Chemistry BSc Environmental and Engineering Geology BSc Environmental Sciences BSc Geography BSc Geoinformatics BSc Geology BSc Meteorology BSc Physics
Prerequisites	GLY 253, GLY 254, GLY 255, GLY 261, GLY 262, GLY 265
Language of tuition	English
Academic organisation	Geology
Period of presentation	Quarter 1

Module content

Review of classical geostatistical methods; problem evaluation; descriptive statistics, normal-, lognormal, three parameter lognormal distributions; confidence intervals; t-test. Sampling; cut-off values; grid generation and trend surface analysis. Semivariogram; error estimation; Kriging (BLUE) techniques. Ore reserve calculations.

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