



University of Pretoria Yearbook 2016

Geostatistics and ore reserve calculations 362 (GLY 362)

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| 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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