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# University of Pretoria Yearbook 2016

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## Geostatistics and ore reserve calculations 362 (GLY 362)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	18.00
<b>Programmes</b>	<a href="#">BSc Chemistry</a> <a href="#">BSc Environmental and Engineering Geology</a> <a href="#">BSc Environmental Sciences</a> <a href="#">BSc Geography</a> <a href="#">BSc Geoinformatics</a> <a href="#">BSc Geology</a> <a href="#">BSc Meteorology</a> <a href="#">BSc Physics</a>
<b>Prerequisites</b>	GLY 253, GLY 254, GLY 255, GLY 261, GLY 262, GLY 265
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Geology
<b>Period of presentation</b>	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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