

# University of Pretoria Yearbook 2017

## Rock mechanics 364 (GLY 364)

<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 Engineering and Environmental Geology</a> <a href="#">BSc Geology</a>
<b>Prerequisites</b>	GLY 354
<b>Contact time</b>	4 lectures per week, 2 practicals per week
<b>Language of tuition</b>	Module is presented in English
<b>Academic organisation</b>	Geology
<b>Period of presentation</b>	Quarter 4

### Module content

Strength and failure modes of rock material and rock failure criteria. The characteristics of joints in rock. Joint line surveys and interpretation of data. Characteristics of a rock mass, rock mass classification and determination of strength. Slope stability in surface mines. Induced seismicity due to deep mining and rock bursts.

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