



# University of Pretoria Yearbook 2016

## Igneous petrology 261 (GLY 261)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module content</b>	Classification and nomenclature of igneous rocks. The nature of silicate melts; physical and chemical factors influencing crystallisation and textures of igneous rocks. Phase diagrams, fractional crystallisation and partial melting. Trace elements and isotopes, and their use in petrogenetic studies. Global distribution of magmatism and its origin. Mid-oceanic ridges, active continental margins, intraplate magmatism.
<b>Module credits</b>	12.00
<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 255
<b>Contact time</b>	2 practicals per week, 4 lectures per week
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Geology
<b>Period of presentation</b>	Quarter 3

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