

# University of Pretoria Yearbook 2021

## Earth history 163 (GLY 163)

**Qualification** Undergraduate

**Faculty** [Faculty of Natural and Agricultural Sciences](#)

**Module credits** 16.00

**NQF Level** 05

**Programmes** [BSc Computer Science](#)

[BSc Chemistry](#)

[BSc Engineering and Environmental Geology](#)

[BSc extended programme - Physical Sciences](#)

[BSc Geology](#)

[BSc Meteorology](#)

[BSc Physics](#)

**Prerequisites** GLY 155

**Contact time** 1 practical per week, 4 lectures per week

**Language of tuition** Module is presented in English

**Department** Geology

**Period of presentation** Semester 2

### Module content

This module will give an overview of earth history, from the Archaean to the present. Important concepts such as the principles of stratigraphy and stratigraphic nomenclature, geological dating and international and South African time scales will be introduced. A brief introduction to the principles of palaeontology will be given, along with short descriptions of major fossil groups, fossil forms, ecology and geological meaning. In the South African context, the major stratigraphic units, intrusions and tectonic/metamorphic events will be detailed, along with related rock types, fossil contents, genesis and economic commodities. Anthropogenic effects on the environment and their mitigation. Practical work will focus on the interpretation of geological maps and profiles.

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