

# University of Pretoria Yearbook 2019

## Sedimentology 253 (GLY 253)

**Qualification** Undergraduate

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

**Module credits** 12.00

**Programmes** [BSc Engineering and Environmental Geology](#)

[BSc Geology](#)

[BSc Physics](#)

**Prerequisites** CMY 117, CMY 127, GLY 155, GLY 163, WTW 114/WTW 158 and PHY 114

**Contact time** 4 lectures per week, 2 practicals per week

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

**Department** Geology

**Period of presentation** Quarter 2

### Module content

Introduction to sedimentology; grain studies; composition and textures of sedimentary rocks; flow dynamics and behaviour of sediment particles in transport systems; description and genesis of sedimentary structures; diagenesis; depositional environments and their deposits, modern and ancient; chemical sedimentary rocks; economic sedimentology; field data acquisition from sedimentary rocks and writing of reports; sieve analysis; Markov analysis; analysis of palaeocurrent trends; interpretation of sedimentary profiles.

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