



University of Pretoria Yearbook 2019

Introduction to geology 155 (GLY 155)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 16.00 |
| Programmes | BSc Computer Science BSc Engineering and Environmental Geology BSc Extended programme - Physical Sciences BSc Geography BSc Geology BSc Meteorology BSc Physics |
| Service modules | Faculty of Engineering, Built Environment and Information Technology |
| Prerequisites | A candidate must have passed Mathematics with at least 60% in the Grade 12 examination. |
| Contact time | 4 lectures per week, 1 practical per week |
| Language of tuition | Module is presented in English |
| Department | Geology |
| Period of presentation | Semester 1 |

Module content

Solar system; structure of solid matter; minerals and rocks; introduction to symmetry and crystallography; important minerals and solid solutions; rock cycle; classification of rocks. External geological processes (gravity, water, wind, sea, ice) and their products (including geomorphology). Internal structure of the earth. The dynamic earth - volcanism, earthquakes, mountain building - the theory of plate tectonics. Geological processes (magmatism, metamorphism, sedimentology, structural geology) in a plate tectonic context. Geological maps and mineral and rock specimens.

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