



University of Pretoria Yearbook 2017

Rock engineering 722 (GTX 722)

Qualification Postgraduate

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

Module credits 15.00

Programmes [BScHons Engineering and Environmental Geology Engineering Geology](#)
[BScHons Engineering and Environmental Geology Hydrogeology](#)

Prerequisites GLY 364 or TDH

Contact time 2 lectures per week for 3 weeks, 2 practicals per week (3 weeks)

Language of tuition Module is presented in English

Academic organisation Geology

Period of presentation Year

Module content

Mapping, description (core logging and discontinuity surveys) and classification of rock masses; engineering properties of rock masses including deformability, shear strength of discontinuities, in situ strength and permeability of rock masses; effects, theoretical derivation and practical measurements of in situ stresses.

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