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# University of Pretoria Yearbook 2019

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## 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 permission from the HOD.

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

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

**Department** 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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