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# University of Pretoria Yearbook 2019

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## Hydrogeological modelling 718 (GTX 718)

**Qualification** Postgraduate

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

**Module credits** 15.00

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

**Prerequisites** GTX 725

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

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

**Department** Geology

**Period of presentation** Year

### Module content

Finite-difference methods; numerical solution of the flow and transport equations; spatial and temporal discretisation, stability criteria; development of conceptual models; introduction to PMWIN/Modflow.

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