

# University of Pretoria Yearbook 2019

## 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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.