

# University of Pretoria Yearbook 2022

## Fluid mechanics in geological media 725 (GTX 725)

**Qualification** Postgraduate

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

**Module credits** 20.00

**NQF Level** 08

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

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

**Prerequisites** No prerequisites.

**Contact time** 2 practicals per week (5 weeks), 4 lectures per week (5 weeks)

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

**Department** Geology

**Period of presentation** Year

### Module content

Water cycle and distribution of water in the Earth's crust. Single phase flow and multiphase flow; saturated and unsaturated flow. Flow through porous and fractured media. Quantification of hydrological parameters. South African hydrostratigraphy. Drainage and dewatering.

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