



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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