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# University of Pretoria Yearbook 2022

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## Hydrogeological modelling 718 (GTX 718)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	20.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BScHons Engineering and Environmental Geology - Hydrogeology</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	2 practicals per week (5 weeks), 4 lectures per week (5 weeks)
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Geology
<b>Period of presentation</b>	Year

### Module content

Groundwater hydraulics and contaminant transport; finite-difference methods; flow and transport equations; spatial and temporal discretisation, stability criteria; development of conceptual models; introduction to appropriate flow and/or transport modelling software.

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