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# University of Pretoria Yearbook 2022

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## Analytical soil mechanics 787 (SGS 787)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	24.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BEngHons (Geotechnical Engineering)</a> <a href="#">BScHons (Applied Science) (Geotechnics)</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	20 Contact hours
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Civil Engineering
<b>Period of presentation</b>	Year

### Module content

A research term paper will be prepared.

Solution of confined and unconfined seepage problems using the methods of fragments, finite differences and finite elements. Numerical solutions of consolidation problems and secondary compression. Slope stability analysis methods. The point estimate method. Monte Carlo simulation.

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