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# University of Pretoria Yearbook 2019

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## Hydraulics 310 (SHC 310)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	16.00
<b>Programmes</b>	<a href="#">BEng Civil Engineering</a> <a href="#">BEng Civil Engineering Engage</a>
<b>Prerequisites</b>	(SWK 210)
<b>Contact time</b>	4 lectures per week, 1 discussion class per week, 1 practical per week
<b>Language of tuition</b>	Afrikaans and English are used in one class
<b>Department</b>	Civil Engineering
<b>Period of presentation</b>	Semester 1

### Module content

Fluid properties and fundamental principles of applied hydrostatic, hydrostatic forces on bodies, buoyancy and stability of bodies. Kinematics, flow rate measurement and velocity determination. Pipe flow and real fluids. Basic principles of water purification and water treatment.

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