

University of Pretoria Yearbook 2020

Hydraulics 310 (SHC 310)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
Programmes	BEng Civil Engineering BEng Civil Engineering ENGAGE
Prerequisites	(SWK 210)
Contact time	1 discussion class per week, 1 practical per week, 4 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Civil Engineering
Period of presentation	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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