University of Pretoria Yearbook 2021

Hydraulics 410 (SHC 410)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Programmes	BEng Civil Engineering
	BEng Civil Engineering ENGAGE
Prerequisites	(SHC 310), SHC 321GS
Contact time	1 practical per week, 1 tutorial per week, 4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Civil Engineering
Period of presentation	Semester 1

Module content

Sediment transportation, hydraulic structures, bridges and culvert hydraulics, stormwater handling. Hydrology, flood hydrology, creation of runoff records and the simulation of surface water resources, creation of stochastic sequences and the reliability analysis of surface water resources.

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