

University of Pretoria Yearbook 2019

Geotechnical engineering 323 (SGM 323)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
Programmes	BEng Civil Engineering BEng Civil Engineering Engage BSc Engineering and Environmental Geology
Prerequisites	(SGM 311)
Contact time	1 practical per week, 3 lectures per week, 2 discussion classes per week
Language of tuition	Separate classes for Afrikaans and English
Department	Civil Engineering
Period of presentation	Semester 2

Module content

Application of consolidation theory. Bearing capacity of soil and foundation design, Terzaghi and general methods. Horizontal stresses in soil and design of retaining structures, Rankine and Couloumb's methods. Slope stability including Bishop's method of slices. Introduction to site investigation.

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