

University of Pretoria Yearbook 2019

Structural analysis 223 (SIN 223)

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| Qualification | Undergraduate |
| Faculty | Faculty of Engineering, Built Environment and Information Technology |
| Module credits | 16.00 |
| Programmes | BEng Civil Engineering BEng Civil Engineering Engage |
| Prerequisites | WTW 161, WTW 168 and SWK 210 |
| Contact time | 1 tutorial per week, 3 lectures per week, 2 practicals per week |
| Language of tuition | Separate classes for Afrikaans and English |
| Department | Civil Engineering |
| Period of presentation | Semester 2 |

Module content

Statically indeterminate beams. Virtual work. Analysis of statically indeterminate structures using the methods of super-position, slope-deflection and moment distribution (with sway and support displacement).

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