

## University of Pretoria Yearbook 2016

## Basic structural analysis 790 (SIC 790)

Postgraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 24.00

**Programmes** BScHons Applied Science Applied Science: Structures

BScHons Applied Science Applied Science: Water Resources

**Prerequisites** No prerequisites.

**Contact time** 40 Contact hours

**Language of tuition** English

Academic organisation Civil Eng

Period of presentation Year

## **Module content**

**Oualification** 

Virtual work and influence lines, analysis of statically indeterminate structures (two and three-dimensional), slope-deflection, superposition, stiffness and flexibility methods, matrix and computer methods, plastic analysis of portal frames.

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