

# University of Pretoria Yearbook 2020

## Theory of structures 311 (STU 311)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	8.00
<b>Programmes</b>	<a href="#">BSc Architecture</a>
<b>Prerequisites</b>	STU 211 and STU 221
<b>Contact time</b>	3 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Civil Engineering
<b>Period of presentation</b>	Semester 1

### Module content

1. Concrete Structures.
  - Loads on concrete structures, Limit-states design principles.
  - Bending, shear and punching: Design of beams, slabs and footings.
  - Compression members: Design of columns.
2. Load bearing brickwork.
  - Limit-states design principles. Effective length and width of compression members.

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