

# University of Pretoria Yearbook 2022

## Theory of structures 221 (STU 221)

<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>NQF Level</b>	06
<b>Programmes</b>	<a href="#">BSc (Architecture)</a>
<b>Prerequisites</b>	STU 211 GS
<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 2

### Module content

The theory of structures in architectural applications: Review of indeterminate structures; design codes, load combinations and load paths; design of the initial framing system of reinforced concrete structures; foundation systems and retaining walls; stability in structures; design of steel structures; load bearing masonry – loads and sizing.

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