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# University of Pretoria Yearbook 2017

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## Reinforced concrete design 324 (SIN 324)

<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>Prerequisites</b>	SIN 311 GS
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Academic organisation</b>	Civil Eng
<b>Period of presentation</b>	Semester 2

### Module content

Properties of reinforced concrete. Principles of limit states design. Analysis and design of sections in flexure and in compression combined with flexure. Design for shear and torsion. Bond and anchorage. Serviceability requirements: Detailing and span-effective depth ratios. Design of footings and short columns.

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