

## Reinforced Concrete Mechanics And Design

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The main objective of 1.054/1.541 is to provide students with a rational basis of the design of reinforced concrete members and structures through advanced understanding of material and structural behavior. This course is offered to undergraduate (1.054) and graduate students (1.541). Topics covered include: Strength and Deformation of Concrete under Various States of Stress; Failure Criteria; Concrete Plasticity; Fracture Mechanics Concepts; Fundamental Behavior of Reinforced Concrete ...

### Mechanics and Design of Concrete Structures | Civil and ...

Apply fundamental mechanics to the design of reinforced concrete columns at the ultimate limit state including determination strength under uniaxial and biaxial bending. 7: Design basic structural elements (beams, columns and slabs) according to the design approach of AS3600.

### C&ENVENG 3005 - Reinforced Concrete Design | Course Outlines

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