Course

Steel Structures
CVEN3303 | 6 Units of Credit

Overview

A course on the design concepts and design of structural elements subject to bending, shear and combined bending and axial compression. Topics include: introduction to limit states design and codes of practice (design objectives; strength and serviceability limit states); loads and load combinations (permanent/dead, imposed/live and wind loads); design of structural steel tension members; Euler column buckling; design of stocky and slender compression members; design of laterally supported steel beams, laterally unsupported steel beams (lateral-torsional buckling in bending and shear strength); steel beam-columns (in-plane and out-of-plane failure); steel members subjected to biaxial bending; design of steel frames, steel connections and detailing (force and moment connections).
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<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Engineering</th>
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<tbody>
<tr>
<td><strong>School</strong></td>
<td>School of Civil and Environmental Engineering</td>
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<tr>
<td><strong>Study Level</strong></td>
<td>Postgraduate</td>
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<td><strong>Offering Terms</strong></td>
<td>Term 1</td>
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<td><strong>Campus</strong></td>
<td>Kensington</td>
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<tr>
<td><strong>Delivery Mode</strong></td>
<td>Fully on-site</td>
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<tr>
<td><strong>Indicative contact hours</strong></td>
<td>6</td>
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<tr>
<td><strong>Timetable</strong></td>
<td>Visit timetable website for details</td>
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Equivalent Courses

CVEN2302 6 UOC
Materials and Structures
Course Outline

To access course outline, please visit:

CVEN3303 Course Outline
Fees

Commonwealth Supported Students  $1191
Domestic Students  $4470
International Students  $5910

DISCLAIMER
Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website.

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179