

421-208 Mechanics of Solids

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Thirty-three hours of lectures, twelve hours of practice classes and six hours of laboratory classes. Total Time Commitment: Not available
Prerequisites:	421-103 Engineering Statics
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p><p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p> </p>
Coordinator:	Helen Goldsworthy
Subject Overview:	Topics covered in this subject build on the basic knowledge obtained in statics, and are organised into 3 components: structural analysis; analysis of sectional behavior when subjected to a bending moment, axial force, shear force or torque; and buckling of elements.
Assessment:	One 3-hour written end of semester examination (75%) and practice classes and laboratory work (25%).
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<ul style="list-style-type: none"> # be able to clearly define the fundamental terms used in Mechanics of Solids # have the ability to apply knowledge of basic science and engineering fundamentals # view the obtained solutions as models with certain inbuilt assumptions and hence limitations # be able to critically compare results obtained from experimental studies with theoretically predicted values
Related Course(s):	Bachelor of Engineering (Civil Engineering) Bachelor of Engineering (Civil) and Bachelor of Arts Bachelor of Engineering (Civil) and Bachelor of Commerce Bachelor of Engineering (Civil) and Bachelor of Laws Bachelor of Engineering (Civil) and Bachelor of Science

Bachelor of Engineering (EngineeringManagement) Civil