

421-318 Construction Engineering

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Thirty hours of lectures and eighteen hours of practice classes and field work. Total Time Commitment: Not available
Prerequisites:	421-207 Introduction to Design, 421-209 Geomechanics 1 and 421-305 Engineering Hydraulics 1
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:	David Young
Subject Overview:	<p>At the completion of this subject students should have an understanding of the roles of design, investigation and construction practices in the field of construction engineering.</p> <p>Topics covered include site investigation; construction systems including foundations, cofferdams, earthwork, ground support, falsework and scaffolding, formwork, plant and equipment; design aspects of construction systems, pavements and temporary works; plant selection including earthmoving equipment, tunnelling, cranes; and survey control methods for engineering construction above and below ground and water.</p>
Assessment:	One written 3-hour examination (70%) and assignments (30%) equivalent to 5000 words.
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:	Ability to apply knowledge of basic science and engineering fundamentals
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 (Engineering Management) Civil