

702-862 Construction Methods and Planning (PG)

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 2 hours of lectures and 1 hour of tutorials per week throughout the semester. Estimated total time commitment: (including non-contact time): 140hrs. Total Time Commitment: Not available
Prerequisites:	Entry to a postgraduate course in Property and Construction.
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>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>
Coordinator:	TBA
Subject Overview:	Time and resource management of construction projects. Development of project plans using computer scheduling software. Relationship between construction methods and resources. Work breakdown structures. Planning and equipment for site excavation; basement excavation. Scaffolding and temporary structures. Lifting equipment and its deployment; cranes, man hoists, concrete pumps. Formwork systems. Temporary power. Site safety and codes of practice.
Assessment:	Assignments equivalent to not more than 2000 words (40%) and one 3-hour examination (60%). Regardless of assignment results, a minimum grade of 40% must be achieved in the exam in order to pass the subject. Students must demonstrate a high level of engagement with and/or critical analysis of the subject content to complete the subject at postgraduate level, and will be subject to assessment at postgraduate level.
Prescribed Texts:	TBC
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:	<p>On completion of the subject, students should be able to:</p> <ul style="list-style-type: none"> # Assess the suitability of plant and equipment for various construction methods # Complete preliminary risk assessment and hazard identification of construction plant # Be conversant with the terminology # Understand the "Occupational Health and Safety Act" and to determine compliance with the construction "Codes of Practice". # Prepare a detailed construction schedule using planning software.

	<p>This subject encompasses particular generic skills. On completion of the subject, students should be able to:</p> <ul style="list-style-type: none"># identify emerging trends in construction management practice and research;# understand the importance of the broader social, economic and political environment in which the construction industry operates;# locate and retrieve information relevant to a range of construction management issues, using a variety of electronic and other sources;# evaluate and synthesise the relevant information and present a logical argument in favour of or against a particular management view; and# use computerised planning and scheduling techniques for the timely delivery of construction projects.
Related Course(s):	Graduate Diploma in Building Surveying