702-362 Construction Methods and Planning

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: Four hours of lectures and the equivalent of one hour practical per week throughout the semester Total Time Commitment: Not available
Prerequisites:	702-236 Construction Site Management
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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. 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
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 and basement excavation. Scaffolding and temporary structures. Lifting equipment (including cranes, man hoists, concrete pumps) and its deployment. Formwork systems. Temporary power. Site safety and codes of practice. On completion of the subject students should be able to: # Assess the suitability of plant and equipment for various construction methods. # Complete preliminary risk assessment and hazard identification of construction plant. # Be conversant with terminology associated with construction site management and equipment. # Understand the "Occupational Health and Safety Act" and determine compliance with the construction "Codes of Practice". # Prepare a detailed construction schedule using planning software.
Assessment:	Assignments equivalent to not more than 2000 words (40%) and one 3-hour examination (60%). A minimum grade of 40% must be achieved in the examination in order to pass the subject.
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:	On completion of the subject students should have developed the following skills and capabilities: # Identification of emergent trends in construction management practice and research. # Understanding of the importance of the broader social, economic and political environment in which the construction industry operates. # Location and retrieval of information relevant to a range of construction management issues, using a variety of electronic and other sources.. # Evaluation and synthesis of the relevant information and present a logical argument in favour of or against a particular management view # Use of computerised planning and scheduling techniques for the timely delivery of construction projects.
Notes:	This subject amalgamates content previously offered in 702316 / 886 Management of Construction 3 and 702310 / 880 Construction Methods and Equipment. Students who have obtained credit for one of these subjects cannot also obtain credit for 702362 / 862 Construction Methods and Planning.
Related Course(s):	Bachelor of Planning and Design (Property and Construction)