ABPL30055 Construction Management

Credit Points:	12.5
Level:	3 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 1x2 hour lecture per week; 1x1 hour tutorial per week Total Time Commitment: 170 hours
Prerequisites:	The subjects below or equivalent as approved by the coordinator.

Subject	Study Period Commencement:	Credit Points:
ABPL20041 The Construction Context	Semester 1	12.50
ABPL20042 Residential Construction and Structures	Semester 1	12.50

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:	Dr Andrew Martel
Contact:	Subject Coordinator email: **sebastian.immaraj@unimelb.edu.au (mailto:sebastian.immaraj@unimelb.edu.au)** The Eastern Precinct (building 138) (between Doug McDonell building and Eastern Resource Centre) **Enquiries:** Current Student: **http://ask.unimelb.edu.au/ (http://ask.unimelb.edu.au/)** Web: **http://edsc.unimelb.edu.au/ (http://edsc.unimelb.edu.au/)**
Subject Overview:	This subject focuses on issues affecting the management of construction projects at the site level. An overview of production management and how it relates to the construction industry is provided along with consideration of issues affecting the efficient use of resources such as labour, subcontract labour, materials, plant and equipment. Construction project planning methods and resource management systems are introduced. Labour productivity improvement techniques to such as work study and activity sampling are presented. Critical path scheduling is introduced and the construction plan for a low rise commercial building is undertaken. Contractor's cost control, industrial relations, site safety and quality assurance are also examined.

Learning Outcomes:	On completion of the subject students should be able to: # Understand the roles and responsibilities of the parties involved in the construction stage of a building; # Demonstrate a general knowledge of site management procedures for the efficient and effective use of resources on a construction site; # Appreciate factors affecting site productivity including the factors of industrial relations and safety at the site level; # Show a sound knowledge of critical path scheduling and apply this knowledge to a given situation.
Assessment:	Site visit assignment done in pairs due in week 4 (equivalent to 400 words),10%; Planning assignment done in pairs due in week 11 (equivalent to 1200 words each) 30%; 3-hour end of semester examination (equivalent to 3000 words); 60%.
Prescribed Texts:	Subject Reader
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2016/B-ARTS)** # **Bachelor of Biomedicine (https://handbook.unimelb.edu.au/view/2016/B-BMED)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2016/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2016/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2016/B-MUS)** # **Bachelor of Science (https://handbook.unimelb.edu.au/view/2016/B-SCI)** # **Bachelor of Engineering (https://handbook.unimelb.edu.au/view/2016/B-ENG)** You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Upon successful completion of this subject students will have had the opportunity to develop the following generic skills: # analytical skills; # communication skills; # problem solving skills; # team working skills.
Notes:	Safety boots, high visibility vests and a hard hat are required for construction site visits in this subject (to be provided by the student).
Related Majors/Minors/ Specialisations:	Civil (Engineering) Systems major Construction major Engineering Systems Environments Discipline subjects Property major Restrictions for Breadth Options within the Bachelor of Environments - relating to specific majors
Related Breadth Track(s):	Construction