ABPL30044 Project Planning Studio

Credit Points:	12.5
Level:	3 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 2 x 3hr studios Total Time Commitment: 170 hours
Prerequisites:	It might be possible to be exempted from a subject below if it is deemed you have taken another of a sufficiently equivalent nature. You may contact the subject coordinator under such circumstances.

Subject	Study Period Commencement:	Credit Points:
ABPL30055 Construction Management	Semester 1	12.50
ABPL30040 Measurement of Building Works	Semester 1	12.50
ABPL30046 Structures and Construction Systems	Semester 1	12.50
ABPL20053 Concrete Structures and Construction	Semester 2	12.50

Corequisites:	None
Recommended Background Knowledge:	

Subject	Study Period Commencement:	Credit Points:
ABPL30039 Construction Contract Administration	Semester 2	12.50

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:	Email:**aamartel@unimelb.edu.au (mailto:aamartel@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 capstone subject brings together and builds on an understanding of construction technologies and introduces project management concepts. Using an integrated project involving a series of studio-based exercises, students will translate a design proposal into operational construction and project management plans. A project based learning environment will be formulated for students to experience construction and project management decision making from concept through to completion. Details of project environment, construction

	systems, resource constraints, production processes, and management tools and methods will be explored and effective and efficient project plans will be developed. Students will form teams and work on assigned projects appropriately selected from the industry. Different roles in the project will be played by the teams. For example, the tenderers are to prepare a project development proposal based on the requirements of the client and then develop operational plans to implement the project. To accomplish this, the tenderers need to plan the construction project based on the development proposal, clients' requirements and resources available. They are to estimate and evaluate activity durations, simulate and adjust construction sequences and balance resources involved. In developing the construction plan, alternative construction systems and methods will be examined and compared. Essential elements of the plan include construction equipment, temporary works and site layout. Site safety is an integral part of the plan. The planning processes will be assisted by introducing commercial computer applications.
Learning Outcomes:	Students will be expected to work in groups and assignments are to be developed based on real case studies. The overall aim is to develop a complete project management plan for a given project considering all the fundamental aspects of project planning and development. Emphasis will be on the principles of scope identification, work breakdown, time estimation and scheduling, cost breakdown, quality assurance and quality control systems, risk management plan, procurement and contract administration including various managerial controlling and monitoring techniques. On completion of the subject students should be able to demonstrate an understanding of: # market analysis for selecting project development proposals Stakeholders and their requirements; # procurement processes and underlying considerations; # method statements and planning for construction; # alternative construction techniques; # cost estimating and planning; # site team management and communication requirements; # project management functions such as scope, cost, time, quality, risk, procurement and integration management; # systematic approaches to develop project develop proposal in a competitive market environment.
Assessment:	Two individual assignments, each equivalent to 200 words, each worth 5%, due Week 2 and Week 10 (10%) Eight weekly group assignments (groups of 4-5 students), each equivalent to 200 words per student, each worth 5%, due Weeks 3-9 and Week 11 (40%) Final group presentation (10-15 minutes) and report (equivalent to 800 words), [10% group mark for presentation and 10% individual mark for presentation/questions], due Week 12 (20%) Individual research and reflection: 10 x equivalent to 120 words, due Weeks 2-11 (30%)
Prescribed Texts:	Subject Reader
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:	# An appreciation of the roles of client/engineer/architect/project manager. # A commitment to and fundamental appreciation of, the concept of successful teamwork. # An ability to communicate effectively, clearly and concisely ideas, concepts and solutions within the project team and between the project team and stakeholders. # An ability to apply fundamentals along with the basics of science and mathematics to problem solving in specific scenarios.
Related Majors/Minors/ Specialisations:	Construction major Environments Discipline subjects Property major Restrictions for Breadth Options within the Bachelor of Environments - relating to specific majors