

ABPL30056 Construction Cost Planning and Economics

Credit Points:	12.5						
Level:	3 (Undergraduate)						
Dates & Locations:	This subject is not offered in 2016.						
Time Commitment:	Contact Hours: 36 hours Total Time Commitment: 170 hours						
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL30040 Measurement of Building Works</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ABPL30040 Measurement of Building Works	Semester 1	12.50
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ABPL30040 Measurement of Building Works	Semester 1	12.50					
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>						
Contact:	<p>Email: aaibinu@unimelb.edu.au (mailto:aaibinu@unimelb.edu.au)</p> <p>The Eastern Precinct (building 138) (between Doug McDonell building and Eastern Resource Centre)</p> <p>Enquiries: Current Student: http://ask.unimelb.edu.au/ (http://ask.unimelb.edu.au/) Web: http://edsc.unimelb.edu.au/ (http://edsc.unimelb.edu.au/)</p>						
Subject Overview:	<p>This subject examines the financial management of construction at the pre-contract stage including the practice of the professional quantity surveyor. This subject aims to give students the knowledge of the processes involved in establishing and maintaining client's budget at the design stage. It provides students with skills needed to effectively monitor the budget for a simple building project on a regular basis during the design stage by cost planning of evolving design, and preparing cost estimate at detailed design and tender documentation stage including the application of life cycle costing technique to design of buildings. Topics covered include Design Economics; Cost planning and control in building design: cost estimating procedure and simple cost modelling techniques and whole life costing.</p>						
Learning Outcomes:	<p>On completion of the subject students should be able to:</p> <ul style="list-style-type: none"> # Analyse building design variables influencing the cost of a buildings. # Apply standard cost planning techniques to simple buildings during the design process. # Describe the role of cost planning and analysis as a means of managing the design process and obtaining value for money. # Explain the process of construction cost forecasting. # Know how to apply simple cost modelling processes. # Know how to choose among alternative design solutions using the cost-in-use technique. 						

Assessment:	Three practical exercises Assignments (40%); due in week 4 (10% group work, 550 words per student), week 7 (10% individual work, 550 words) and week 11 (20% group work, 800 words per student); Two and a half hour end of semester exam (60%).
Prescribed Texts:	Smith, J. and Jaggar, D. (2007) Building Cost Planning for the Design Team, 2nd edition, Elsevier, Oxford. Australian Institute of Quantity Surveyors (2000) Australian Cost Management Manual, volume 1, Australian Institute of Quantity Surveyors, Canberra. Flanagan, R. and Tate B. (1997) Cost Control in Building Design, Blackwell, Oxford.
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:	At the completion of the subject students should have developed the following skills and capabilities: <ul style="list-style-type: none"> # Understanding of construction documentation used in nonresidential construction. # Effective participation as a team member. # Evaluation of alternative construction solutions. # Understanding of the cost significance of building elements.
Related Majors/Minors/Specialisations:	Environments Discipline subjects