

ABPL90312 Cost Management

Credit Points:	12.50						
Level:	9 (Graduate/Postgraduate)						
Dates & Locations:	This subject is not offered in 2014.						
Time Commitment:	Contact Hours: 48 hours (2 hour lecture & 2 hour tutorial per week) Total Time Commitment: 120 hours						
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90313 Management of Construction</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ABPL90313 Management of Construction	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:					
ABPL90313 Management of Construction	Semester 1	12.50					
Corequisites:	None						
Recommended Background Knowledge:	Basic Computer Applications						
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>Environments and Design Student Centre Ground Floor, Baldwin Spencer (building 113)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Web: http://edsc.unimelb.edu.au/ (http://edsc.unimelb.edu.au/) Email: edsc-enquiries@unimelb.edu.au (mailto:edsc-enquiries@unimelb.edu.au)</p>						
Subject Overview:	<p>This subject deals with pre-construction cost management process. It 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. Topics covered include Design Economics; Cost planning and control in building design: cost estimating procedure and simple cost modeling techniques. Quantification, measurement, and documentation including the following aspects: purpose and preparation of Bill of Quantities (BoQ); Processes of preparing BoQ including: taking-off, working-up, abstracting and billing; types of bill formats and their uses; basic principles of measurement and description of works: the use of Australian Standard Method of Measurement (SMM) for construction works in practice, principles of measurement and description of the following: Groundwork, Concrete (including reinforcement and formwork), Masonry, Timber Pitch Roof, and Internal Finishes for simple residential building. Pricing of measured items: building-up of unit rates. Introduction to computerised measurement. Tender process.</p>						
Learning Outcomes:	<p>Upon completion of this subject students should:</p> <ul style="list-style-type: none"> # Be able to describe the role of cost management of building works. # Be able apply the Australian Standard Method of Measurement to quantification of the works for simple buildings. # Be able to measure and prepare bill of quantities for ground works; masonry; concrete/ reinforcement and form work; simple timber pitched timber roof; roofing, and finishes. 						

	<ul style="list-style-type: none"> # Be able to price measured building work items. # Be able to describe the application of computer software to measurement of building works. # Know how to apply cost forecasting methods at pre-construction stage. # Be able to explain the theory and practice of competitive tendering.
Assessment:	Five practical exercises and assignments due fortnightly throughout semester - 40% (equivalent 2,000 words) 3-hour exam during the exam period, 60% (equivalent 3,000 words) Students are required to achieve a mark of at least 40% in the exam in order to pass the subject. Attendance and participation in 80% of the tutorials is a mandatory requirement for passing the continuous assessment component of this subject.
Prescribed Texts:	Marsden, P. (1998) Basic Building Measurement, NSW University Press AIQS et al (1990) Australian Standard Method of Measurement, AIQS & MBCHAA. Smith, J. and Jaggar, D. (2007) Building Cost Planning for the Design Team, 2nd edition, Elsevier, 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:	<p>At the completion of the subject students should have developed the following skills and capabilities:</p> <ul style="list-style-type: none"> # Effective participation as a team member. # Written, verbal and visual presentation of ideas # Correct use of technical terminology relating to cost planning and quantification of building works # Information gathering and critical synthesis skills # The ability to apply relevant processes and standards to specific examples # Identification and familiarity with building components # Understanding of construction documentation used in residential construction.
Related Course(s):	Master of Construction Management