

# ABPL90208 Construction Measurement and Estimating

<b>Credit Points:</b>	12.50		
<b>Level:</b>	9 (Graduate/Postgraduate)		
<b>Dates &amp; Locations:</b>	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. On campus		
<b>Time Commitment:</b>	Contact Hours: 4 hours a week (48 hours total). Total Time Commitment: 120 hours		
<b>Prerequisites:</b>	The following subject:		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	ABPL30040 Design Cost Management	Semester 1	12.50
	OR		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	ABPL90291 Construction and Cost Management	Semester 1	12.50
<b>Corequisites:</b>	none specified		
<b>Recommended Background Knowledge:</b>	none specified		
<b>Non Allowed Subjects:</b>	none specified		
<b>Core Participation Requirements:</b>	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website : <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>		
<b>Coordinator:</b>	Dr Ajibade Aibinu		
<b>Contact:</b>	Environments and Design Student Centre Email: <a href="mailto:msd-courseadvice@unimelb.edu.au">msd-courseadvice@unimelb.edu.au</a> (mailto: <a href="mailto:msd-courseadvice@unimelb.edu.au">msd-courseadvice@unimelb.edu.au</a> )		
<b>Subject Overview:</b>	This subject builds on construction cost management and understanding from construction services. It comprises further measurement, quantification and documentation of building works and measurement of civil engineering works. Topics include the following: measurement of building works including substructure (complex foundation on sloping sites, stepped foundation, columns bases and basement construction, non linear strip foundation, raft foundation); measurement of civil engineering works; further measurement of superstructure; reinforced concrete structures including frames, columns, beams and slabs; staire in timber and concrete; doors and windows in timber and steel including ironmongery; glazing; floor, wall and ceiling fishing; painting and decorations; measurement of mechanical and electrical installation for simple buildings; measurement of civil engineering works including roads and simple railway work; piling; simple bridges and culverts.		
<b>Objectives:</b>	none specified		
<b>Assessment:</b>	Two written assignments each worth 20% (total 40%); 3 hour exam (60%). 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.
<b>Prescribed Texts:</b>	Marsden, P (1998), Basic Building Measurement, UNSW press Limited.Picken, D (1999), Building Measurement - worked examples, Deakin University PressAIQS et al, (1990), Australian Standard Method of Measurement, AIQS & MB-CHAA, 1990
<b>Recommended Texts:</b>	Mooney, J. (1999) The evolution of the quality surveyor Melbourne: Butterworth Heinemann Marsden, P (1998) Basic Building Measurement Process. Crisp Publication Marsden, P (1989) The Measurement Process. Crisp publication Seeley, Ivor H, Building Quantities Explained. The MacMillan Press, 1979
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<ul style="list-style-type: none"> <li># Written, verbal and visual presentation of ideas</li> <li># Correct use of technical terminology</li> <li># Information gathering and critical synthesis skills</li> <li># The ability to apply relevant processes and standards to specific examples</li> <li># Appropriate use of building procurement terminology</li> </ul>
<b>Links to further information:</b>	<a href="http://www.abp.unimelb.edu.au/environments-and-design-students/melbourne-school-of-design-students.html">http://www.abp.unimelb.edu.au/environments-and-design-students/melbourne-school-of-design-students.html</a>
<b>Related Course(s):</b>	Master of Construction Management Master of Construction Management