

702-237 Construction Technology 2A

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Total Time Commitment: Not available
Prerequisites:	702-137 (ABPL0003) Construction Technology 1A and 702-138 (ABPL20023) Construction Technology 1B.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	702-837 (ABPL00230) Construction Technology 2A (PG)
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>
Coordinator:	Mr Blair Gardiner
Subject Overview:	<p>This subject looks at documentation practices, construction principles, materials, techniques and detailing commonly used in residential and small scale commercial construction. Lectures incorporate:</p> <ul style="list-style-type: none"> # site analysis and site establishment # energy efficiency and waste management # construction systems # detailing principles # site works # footings and floor slabs # basements and waterproofing # concrete construction # steelwork # walls systems # facade systems # metal deck roofing and rainwater goods # detailing for moisture protection # water vapour # accommodating movement and constructability <p>Case studies will be examined.</p>
Objectives:	On completion of the subject students should be able to:

	<ul style="list-style-type: none"> # Relate basic structural principles to medium-scaled commercial construction and architect-designed residential projects # Understand a set of architectural and structural documentation # Communicate construction proposals by means of sketches, drawings and/or models # Understand basic construction principles and practice and be able to apply these in architect-designed medium-scaled projects
Assessment:	Assignments (eg. tutorial exercises, site reports, class presentations, construction drawings including models) equivalent to 3000 words (60%) One examination of two hours (40%) Assignments may relate to work undertaken in other subjects. Regardless of assignment results, a minimum grade of 40% must be achieved in the exam in order to pass the subject.
Prescribed Texts:	Building Construction Illustrated (Francis Ching)
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:	<ul style="list-style-type: none"> # Effective participation as a team member # Production and presentation of a report on construction practice # Evaluating alternative construction solutions # Research and analysis of construction methods and products # Critical analysis and resolution of construction detailing
Links to further information:	http://www.abp.unimelb.edu.au/environments-and-design-students/abp-ugrad-students.html
Notes:	Formerly available as 702-237 Construction Technology 2A. Students who have completed 702-237 are not eligible to enrol in this subject.