

# ABPL90293 Commercial Construction

<b>Credit Points:</b>	12.50								
<b>Level:</b>	9 (Graduate/Postgraduate)								
<b>Dates &amp; Locations:</b>	This subject is not offered in 2013.								
<b>Time Commitment:</b>	Contact Hours: 36 hours: 2 x 2 hour lecture per week; 1 x 1 hour tutorial/seminar per week Total Time Commitment: 120 hours								
<b>Prerequisites:</b>	Admission to the 300-point Master of Construction Management and completion of the following subject.								
	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90292 Construction of Buildings</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ABPL90292 Construction of Buildings	Not offered 2013	12.50		
Subject	Study Period Commencement:	Credit Points:							
ABPL90292 Construction of Buildings	Not offered 2013	12.50							
<b>Corequisites:</b>	None								
<b>Recommended Background Knowledge:</b>	None								
<b>Non Allowed Subjects:</b>	702-672 Concrete Structures and Construction 702-677 Structures and Construction Systems								
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt;         &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt; </p>								
<b>Contact:</b>	<b>Environments and Design Student Centre</b> Ground Floor, Baldwin Spencer (building 113)  <i>Enquiries</i> Phone: 13 MELB (13 6352) Website: <a href="http://www.msd.unimelb.edu.au">http://www.msd.unimelb.edu.au</a> ( <a href="http://www.msd.unimelb.edu.au/">http://www.msd.unimelb.edu.au/</a> )								
<b>Subject Overview:</b>	Commercial construction relates to high, medium or low rise office or apartment buildings, hospitals and institutional buildings, shopping centres and sporting facilities. Each project has characteristic structural forms and resultant methods of construction. Structural design concepts for steel and reinforced concrete are analysed and their influence on construction methods assessed. The topics covered include the interpretation of steel and reinforced concrete drawings and specifications, steel and reinforced concrete framed buildings, industrial ground slabs, basement construction and site retention methods, piling systems and construction methods to suit various geotechnical conditions, tilt slab construction methods, and precast concrete building systems.								
<b>Objectives:</b>	This subject will introduce the design concepts for steel and reinforced concrete structures and is intended for students who enrol in the Master of Construction Management without a background in construction. Upon completion of the subject, the student should be able to: <ul style="list-style-type: none"> <li># appreciate the factors affecting the choice of structural system, the choice of construction materials, and the construction process for commercial buildings;</li> <li># understand the roles and responsibilities of the designers, builders and other parties involved in the design and construction of a commercial building;</li> <li># read and interpret construction drawings;</li> </ul>								

	<ul style="list-style-type: none"> <li># communicate construction solutions by means of sketches and drawings;</li> <li># and propose and evaluate alternative construction systems.</li> </ul>
<b>Assessment:</b>	First assignment (20%) handed out early in semester (equivalent 1500 words). Second assignment (20%) mid-semester (equivalent 1500 words). Final end of semester examination (3 hours), 60%. Students are required to achieve a mark of at least 40% in the exam in order to pass the subject.
<b>Prescribed Texts:</b>	A coursework reader will be provided.
<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>	<p>Upon completion of this subject, students should have developed the following skills and capabilities:</p> <ul style="list-style-type: none"> <li># problem solving skills;</li> <li># analytical skills;</li> <li># communication skills.</li> </ul>
<b>Related Course(s):</b>	Master of Construction Management