

ABPL90010 Advanced Construction Technology

Credit Points:	12.50														
Level:	9 (Graduate/Postgraduate)														
Dates & Locations:	This subject is not offered in 2013.														
Time Commitment:	Contact Hours: 4 hours of lectures/seminars/tutorials and site visits per week Total Time Commitment: 150 hours														
Prerequisites:	Admission to the 200-point Master of Construction Management OR admission to the 300-point Master of Construction Management and completion of all of the following subjects:														
	<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> <tr> <td>ABPL90293 Commercial Construction</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>ABPL90324 Materials and Structures</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	ABPL90293 Commercial Construction	Not offered 2013	12.50	ABPL90324 Materials and Structures	Not offered 2013	12.50		
Subject	Study Period Commencement:	Credit Points:													
ABPL90292 Construction of Buildings	Not offered 2013	12.50													
ABPL90293 Commercial Construction	Not offered 2013	12.50													
ABPL90324 Materials and Structures	Not offered 2013	12.50													
Corequisites:	None														
Recommended Background Knowledge:	None														
Non Allowed Subjects:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL40005 Advanced Construction</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ABPL40005 Advanced Construction	Not offered 2013	12.50								
Subject	Study Period Commencement:	Credit Points:													
ABPL40005 Advanced Construction	Not offered 2013	12.50													
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) <i>Enquiries</i> Phone: 13 MELB (13 6352) Website: http://www.msd.unimelb.edu.au (http://www.msd.unimelb.edu.au/)</p>														
Subject Overview:	<p>Topics are selected from and may include:</p> <ul style="list-style-type: none"> # The rehabilitation and recycling of existing buildings # Concrete repair and protection covering investigation techniques and repair methods # Strengthening of existing structures # The development, form and structural behaviour of spatial structures including space frames, cable supported and tension membranes with an emphasis on buildability and construction detailing # Facade construction including architectural, performance and detailing, and structural and mullionless glazing systems [UGH] # High performance concrete including construction of superflat concrete ground slabs, fibre reinforcement technology and admixtures # Ultra high performance concrete and marine structures 														

Objectives:	On completion of this subject students should be able to: <ul style="list-style-type: none"> # Link structural design concepts and relate these to current construction practices # Communicate construction solutions by means of sketches and drawings # Propose and evaluate alternative construction systems
Assessment:	One 3-hour examination (70%) Written and drawn assignments equivalent to not more than 2000 words (30%) Regardless of assignment results, a minimum grade of 40% must be achieved in the examination in order to pass the subject.
Prescribed Texts:	None specified
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:	On completion of this subject students should have developed the following skills and capabilities: <ul style="list-style-type: none"> # Research and analyse new construction methods and new products; # Participate effectively as a team member; # Critically analyse and resolve construction related problems.
Related Majors/Minors/ Specialisations:	Building Building Systems and Trade Specialties Corporate Management Cost Management Project Management Research and Development