

ABPL90295 Construction Regulations and Control

Credit Points:	12.5																											
Level:	9 (Graduate/Postgraduate)																											
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. This subject may be available on a biannual basis from 2014 onwards.																											
Time Commitment:	Contact Hours: 36 hours: 1 x 2 hour lecture per week; 1 x 1 hours class work per week. Total Time Commitment: 170 hours																											
Prerequisites:	<p>Admission into one of the following courses: MC-CONMG2Y Master of Construction Management (200 points) OR MC-CM Master of Construction Management MC-CONMG3Y Master of Construction Management (300 points) PLUS</p> <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>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ABPL90290 Fundamentals of Built Environment Law</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90293 Commercial Construction</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90086 Environmental Systems</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90312 Cost Management</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ABPL90313 Management of Construction</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ABPL90324 Materials and Structures</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ECON90015 Managerial Economics</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>OR approval of the subject coordinator.</p>	Subject	Study Period Commencement:	Credit Points:	ABPL90292 Construction of Buildings	Semester 1	12.50	ABPL90290 Fundamentals of Built Environment Law	Semester 2	12.50	ABPL90293 Commercial Construction	Semester 2	12.50	ABPL90086 Environmental Systems	Semester 2	12.50	ABPL90312 Cost Management	Semester 2	12.50	ABPL90313 Management of Construction	Semester 1	12.50	ABPL90324 Materials and Structures	Semester 1	12.50	ECON90015 Managerial Economics	Semester 1, Semester 2	12.50
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Corequisites:	None																											
Recommended Background Knowledge:	None																											
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>																											
Coordinator:	Assoc Prof Valerie Francis																											
Contact:	Environments and Design Student Centre																											

	<p>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 aims to give students an introduction to construction regulations including:</p> <ul style="list-style-type: none"> # relevant State and Commonwealth government legislation and the Building Code of Australia (including performance requirements, Deemed to Satisfy solutions and alternative solutions); # fire technology including fire science, fire statistics, causes of fire, wildfire, fire prevention, fire containment, automatic fire detection, fire properties of materials, fire resistance levels, human movement and emergency egress, emergency warning systems, emergency lighting and controlling fire spread; # an overview of the BCA Deemed to Satisfy fire related provisions and associated standards and codes; # an introduction to fire safety engineering including analysing fire and smoke spread, use of computer tools, preparing alternative solutions, evaluating alternative solutions; # an introduction to sustainable building practice in the context of the legislation, regulations standards and codes,
Learning Outcomes:	<p>On completion of the subject students should be able to:</p> <ul style="list-style-type: none"> # understand legislative controls that impact on the building industry including the design and construction process; # interpret and apply the Building Code of Australia to simple buildings or designs; # Display a knowledge of the community risks that impact on the building industry and an understanding of how those risks are managed at a policy and legislative level; # Understand the nature and cause of fire in relation to the built environment; # Appreciate the principles of the discipline of fire safety engineering.
Assessment:	<p>A 2 hour exam during exam period, 40%, 2000 words A Group assignment on the ability to interpret and apply the Building Code of Australia (BCA) to a building on campus. Due mid-semester, 40%, 2000 words An individual assignment on a detailed application of several specific BCA and Australian Standard requirements, Due end of semester, 20%, 1000 words Regardless of assignment results, a minimum mark of 40% has to be achieved in the examination in order to pass this subject.</p>
Prescribed Texts:	<p>International Fire Engineering Guidelines.FIRE. Canberra: Australian Building Codes Board, 2005.Beever, Paula. Research into cost-effective fire safety measures for residential buildings. Melbourne: Centre for Environmental Safety and Risk Engineering, Victoria University of Technology, 1998.</p>
Breadth Options:	<p>This subject is not available as a breadth subject.</p>
Fees Information:	<p>Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees</p>
Generic Skills:	<p>On successful completion of the subject students should have developed the following skills and capabilities:</p> <ul style="list-style-type: none"> # Professional/industry communication relating to construction regulation; # Working in teams to collect and collate data on a real building; # Analytical and problem solving skills; # Strategic analysis of community risks and how to treat or solve them.
Related Majors/Minors/ Specialisations:	<p>Building Building Systems and Trade Specialties Corporate Management Cost Management Melbourne School of Design multidisciplinary elective subjects Policy</p>

Project Management