

ABPL90032 Building Services and Operations

Credit Points:	12.50						
Level:	9 (Graduate/Postgraduate)						
Dates & Locations:	This subject is not offered in 2013.						
Time Commitment:	Contact Hours: 1 x 3-hour studio per week Total Time Commitment: 120 hours						
Prerequisites:	<p>Enrolled in MC-CONMG2Y Master of Construction Management (200 points) OR Enrolled in one of the following programs</p> <ul style="list-style-type: none"> # MC-CONMG3Y Master of Construction Management (300 points) # MC-PROP2Y Master of Property (200 points) # MC-PROP3Y Master of Property (300 points) # 441ME Master of Environments <p>PLUS completion of</p> <table border="1" data-bbox="387 728 1485 875"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90086 Environmental Systems</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ABPL90086 Environmental Systems	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:					
ABPL90086 Environmental Systems	Semester 2	12.50					
Corequisites:	None						
Recommended Background Knowledge:	None						
Non Allowed Subjects:	<u>ABPL90032 Resource Friendly Building Operations (../view/2011/ABPL90032)</u>						
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)</p> <p><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>The focus of this subject lies in the integration of services and energy efficient strategies into the fabric of the building and its construction process. After introductory material on environmental quality and energy related issues, the subject provides students with knowledge in the field of electrical, mechanical, air handling, hydraulic and communication services and particularly the construction issues they generate: levels of documentation and decision-making required; connections with process planning; spatial requirements for functioning, installation and access purposes; protection and quality assurance; building tolerances; systems integration; layout strategies; work sequences and temporary works; contract coordination; testing; maintenance; and upgrading-replacement.</p>						
Objectives:	<ul style="list-style-type: none"> # To introduce students to systems and types of mechanical and engineering services needed in buildings; # To develop an understanding of basic modes of energy transfer; 						

	<ul style="list-style-type: none"> # To gain understanding of spatial and installation requirements for services; # To improve an understanding of the construction processes involved.
Assessment:	Class participation (10%). Gathering of discussion-specific data throughout the semester (30%). Case studies and professional reports equivalent to 5000 words due at the end of the semester (60%).
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:	<p>On completion of the subject students should have developed the following skills and capabilities:</p> <ul style="list-style-type: none"> # Ability to critically analyse systems needed for particular building use; # Ability to use correct technical terminology; # Ability to comprehend construction constraints and building operations.
Related Course(s):	<p>Master of Property Master of Property</p>
Related Majors/Minors/Specialisations:	<p>Building Building Systems and Trade Specialties Cost Management Energy Efficiency Modelling and Implementation Project Management Research and Development</p>