

ABPL90032 Building Services and Operations

Credit Points:	12.50						
Level:	9 (Graduate/Postgraduate)						
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.						
Time Commitment:	Contact Hours: 1 x 3-hour studio per week Total Time Commitment: 120 hours						
Prerequisites:	Admission to the 200-point Master of Construction Management OR admission to the 300-point Master of Construction Management and completion of the following subject: <table border="1" data-bbox="387 573 1485 719"> <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:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/						
Coordinator:	Mr Peter Williams						
Contact:	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/)						
Subject Overview:	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.						
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; # 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:	On completion of the subject students should have developed the following skills and capabilities: <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):	Master of Property Master of Property
Related Majors/Minors/ Specialisations:	Building Building Systems and Trade Specialties Cost Management Energy Efficiency Modelling and Implementation Project Management Research and Development