ABPL90268 Building Envelopes

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. This subject is a quota subject and places are limited. Students may provisionally enrol via the Student Portal, but places are not guaranteed until selection is completed. You will be notified in writing by the Student Centre if you are selected.
Time Commitment:	Contact Hours: 3 hours per week Total Time Commitment: 120 hours
Prerequisites:	Admission to the Master of Architecture, Master of Construction Management or Master of Property OR Approval from the subject coordinator.
Corequisites:	None
Recommended Background Knowledge:	Hand and/or computer drawing skills are useful.
Non Allowed Subjects:	**ABPL90268 Facade Design and Performance (../../view/2011/ABPL90268)**
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 Christopher Jensen
Contact:	**Environments and Design Student Centre** Ground Floor, Baldwin Spencer (building 113) *Enquiries* Phone: 13 MELB (13 6352) Website: **http://www.msd.unimelb.edu.au (http://www.msd.unimelb.edu.au/)**
Subject Overview:	This subject was formerly called Facade Design and Performance. This subject provides the student with knowledge on the technology, manufacturing, erection and performance of buildings' external boundaries. By considering facades and roofing systems against the processes involved in their procurement, it gives insights on the complexity of building envelope definition and production in the industry, particularly from a construction perspective. A short introduction to the history of external cladding is followed by an overview of principal façade and roofing system functions, systems and types. Material on simulation, testing, mock-ups, trade packaging, purchasing, activities planning, scheduling and erection is provided to help students understand the construction process. Emphasis is also placed on the technical and organizational differences between new developments and refurbishment work.
Objectives:	# To develop an understanding of available envelope types and systems and their different construction methodologies; # To gain knowledge in the planning, testing and construction processes;

	# To gain an understanding of the interdisciplinary character of the building envelope from a construction and performance perspective.
Assessment:	Class participation (10%). Weekly quiz tasks (online) weeks 2 - 5 (20%). Case studies and professional reports equivalent to 5000 words (30%). Two hour exam at the end of semester (40%).
Prescribed Texts:	None specified
Recommended Texts:	An overview of literature will be provided before the start of the subject.
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:	# Ability to understanding technical terminology and engage with this construction industry; # Ability to comprehend construction constraints and strategies; # Ability to relate façade construction with performance criteria.
Related Course(s):	Master of Architecture Master of Architecture Master of Property Master of Property
Related Majors/Minors/ Specialisations:	Building Building Systems and Trade Specialties