



MODULE SPECIFICATION

Part 1: Information			
Module Title	Weathertightness		
Module Code	UBLMH5-15-M	Level	Level 7
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Architecture and the Built Environment
Department	FET Dept of Architecture & Built Environ		
Module Type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	Introduction to Façade Systems 2019-20		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
<p>Overview: Co-requisites: Students must have already completed or be currently enrolled in UBLLYS-15-M Introduction to Façade Systems. This requirement is compulsory for FT and PT students. Advisory for CPD students who only intend to take an individual module.</p> <p>Educational Aims: To provide an understanding of the principles of façade weathertightness, how it can be specified and assessed.</p> <p>Outline Syllabus: Building Façades are required to be weathertight to provide a dry comfortable environment for the building occupants. Failure to satisfy this requirement is a major cause of dissatisfaction for building owners and occupants.</p> <p>Weathertightness includes the ability of the façade to resist air leakage, water penetration and maintain these properties when subjected to windload.</p> <p>This module considers how weathertightness is achieved concentrating on modern methods of façade construction. This will include discussion of design principles in terms of drained and</p>

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ventilated systems and pressure equalisation and practical application in terms of the use of sealants and gaskets.

Specification of weathertightness is generally based on testing and a major part of the course is taken up with the details of testing for weathertightness.

As weathertightness requirements are related to wind load the course will include lectures on the assessment of wind loads on Façades.

Teaching and Learning Methods: The module is delivered by way of five study days for face to face teaching.

The module will be delivered by means of a series of lectures, seminars and tutorials.

Lectures and seminars will be used to enable students to support their own independent learning by exploring deeper issues pertaining to Façade Engineering and receiving formative feedback. Occasional speakers will be used to provide up to date material and context to the applications of the subject area.

Directed reading examining the key principles and relevant criteria relating to a number of topics of importance to façade Engineering.

Part 3: Assessment

Component A will be assessed via a video presentation on a real world practical activity which a professional Façade Engineer would need to undertake, modelled around a realistic case study.

Component B is assessed via a Report that tests the assimilation and reflection on weathertightness.

Resit strategy consists on having to rework the failed components so that the students can improve according to the feedback received.

First Sit Components	Final Assessment	Element weighting	Description
Presentation - Component A		50 %	Video Presentation (7-10 mins)
Report - Component B	✓	50 %	Report specification (2000 words)
Resit Components	Final Assessment	Element weighting	Description
Presentation - Component A		50 %	Video Presentation (7-10 mins)
Report - Component B	✓	50 %	Report on weathertightness (2000 words)

Part 4: Teaching and Learning Methods

Learning Outcomes On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Specify weathertightness criteria and appropriate testing	MO1
Design joints and seals in Façades	MO2
Critically analyse the movement of moisture within walls	MO3
Calculate the wind load on Façades	MO4

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Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	118
	Total Independent Study Hours:	
	118	
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	32
	Total Scheduled Learning and Teaching Hours:	
	32	
Hours to be allocated		150
Allocated Hours		150
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/modules/ublmh5-15-m.html</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study: