



Module Specification

Introduction to Facade Systems

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Part 1: Information

Module title: Introduction to Facade Systems

Module code: UBLLYS-15-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Architecture & Built Environ

Partner institutions: None

Delivery locations: Not in use for Modules

Field: Architecture and the Built Environment

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This unit is an introduction to both the programme and the discipline of façade engineering.

Co-requisites: It is strongly advised that part-time and CPD students take this as their first module.

Features: Not applicable

Educational aims: See Learning Outcomes.

Outline syllabus: The syllabus includes:

Introduction to the Programme

What is façade engineering?

The different types of building envelope.

Introducing the terminology used to describe building envelopes and their components.

A visit to a test laboratory provides an introduction to weathertightness testing of façade. It will also give the chance to see examples of different facades types and the tests on view will also relate to other modules in the programme.

The processes of designing and specifying façades.

The context in which façade engineers operate.

The range of performance requirements the façade must satisfy.

Part 3: Teaching and learning methods

Teaching and learning methods: The module will be delivered by means of:

Lectures and seminars which enable students to support their own independent learning by exploring deeper issues pertaining to Façade Engineering, visiting 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.

The module is delivered by way of five study days for face to face teaching.

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

MO1 Identify different façade forms, with reference to structural systems, material selection and overall performance objectives and how and under what conditions they might be specified. (Component A)

MO2 Identify the various performance characteristics a façade must meet and how those characteristics might be specified by members of the design team. (Component A, B)

MO3 Demonstrate a knowledge of the role of different professionals in the design, manufacture and installation of a contemporary building façades, using current theoretical and practical approaches. (Component A, B)

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 118 hours

Face-to-face learning = 32 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubllys-15-m.html) via the following link <https://uwe.rl.talis.com/modules/ubllys-15-m.html>

Part 4: Assessment

Assessment strategy: Assessment will be via a presentation and submission of a written assignment

The presentation will be assessed via a Video Presentation (7-10min) on a real world

practical activity which a professional Façade Engineer would need to undertake.

The written assignment will take the form of an Essay which supports assimilation and reflection of taught material, with literature and application to real world examples.

Assessment components:

Presentation (First Sit)

Description: Video Presentation on Façade Engineering (7-10min)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Written Assignment (First Sit)

Description: Essay (2500 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO3

Presentation (Resit)

Description: Video Presentation on Façade Engineering (7-10min)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Written Assignment (Resit)

Description: Essay (2500 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Façade Engineering [Frenchay] MSc 2023-24

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