



Module Specification

Introduction to Building Construction

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Contents

Module Specification	1
Part 1: Information	2
Part 2: Description	2
Part 3: Teaching and learning methods	4
Part 4: Assessment.....	5
Part 5: Contributes towards	8

Part 1: Information

Module title: Introduction to Building Construction

Module code: UBLMAB-30-1

Level: Level 4

For implementation from: 2022-23

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Environment & Technology

Department: FET Dept of Architecture & Built Environ

Partner institutions: None

Delivery locations: Frenchay Campus

Field: Architecture and the Built Environment

Module type: Standard

Pre-requisites: None

Excluded combinations: Construction Technology and Services 2022-23

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: The module will introduce students to the evolution, principles and practices of domestic building construction. This will include domestic services technology. The module will also incorporate some environmental considerations and provide some basic insight into domestic framed construction.

Features: Not applicable

Educational aims: The module will introduce students to the evolution, principles and practices of domestic building construction. This will include domestic services technology. The module will also incorporate some environmental considerations. Additionally, it will provide some basic insight into domestic framed construction.

Outline syllabus: This is an indicative list of the key components likely to be studied although this may change to reflect programme requirements or contemporary issues at the time of delivery. The list does not represent the order of delivery.

Domestic Building Construction:

The context for and evolution of house construction

Drawn communication

Sites, soils and foundations

External load bearing walls

Framed domestic buildings

Internal partitions

Floors

Roof structure

Roof coverings

Internal and external finishes

The content for each building category will also include discussion of related resource and operational concerns as well as an introduction to analysis of various building site and design conditions that influence the choice of specific methods of

construction.

Domestic Services:

Electrical installations and safety

Drainage and rainwater management

Space heating

Hot water

Water supply

Gas

Environmentally responsible design and low-carbon methods of construction are also a consistent theme both regarding construction and services

Part 3: Teaching and learning methods

Teaching and learning methods: Lectures are primarily used to introduce key concepts from the syllabus, and the interrelationship of these concepts. The lectures will also support the development of a group identity through interactions. Tutorials will incorporate activities and tasks to further develop the learning from the lecture.

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

MO1 Identify and explain various materials and methods used in the construction of both new and existing property

MO2 Explain some of the factors which have influenced the evolution and development of current building practice

MO3 Interpret and produce sketches and simple construction drawings

MO4 Describe and explain building services typically encountered in domestic housing

MO5 Produce well-constructed and accurate explanation of the nature of the construction and its style based on accurate observation

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubl/mab-30-1.html) via the following link <https://uwe.rl.talis.com/modules/ubl/mab-30-1.html>

Part 4: Assessment

Assessment strategy: Assessments will comprise of two components. Opportunities for formative feedback on draft work will be provided in tutorials.

Component A

Group presentations

To be held during the final assessment period, students will undertake a group presentation as part of a summative assessment in teaching block 2. This will measure how effectively, and to what extent students have attained the learning outcomes. The presentation will test students' level of knowledge, their ability to manipulate knowledge through responding to specific scenarios and requirements. It will cover all aspects of the syllabus.

By working in groups, the students will have a similar experience as real-world scenarios, and usefully apply their knowledge, enabling markers to further probe

students' knowledge and understanding. It will also help develop skills needed for students' programme and profession.

To reduce the likelihood of plagiarism, the brief will require a full list of references to be submitted in advance of the presentation along with the presentation slides and/or materials. Students will have the opportunity to redistribute marks depending on individual's effort within the group work.

Component B

There are three elements in Component B:

1. The Photographic Portfolio (45% of Component B)

A series of digital images compiled into a professional quality format. This portfolio will identify and describe various building components on existing housing and identify houses from a series of specific periods.

There is an early deadline for submission to allow an early feedback opportunity. To reduce the risk of academic offences, students will be required to provide addresses and a link to Google Maps for each image. Students will also be provided with guidance on the development and practice of good referencing techniques.

This element requires early and sustained engagement. The task is not overly-demanding in a strictly academic sense, but it requires a degree of research, endeavour and provides a professionally relevant production task. It provides a straightforward task which measures students' knowledge and engagement.

2. Studio Portfolio (45% of Component B)

The studio sessions provide regular formative learning and feedback to the student as the module progresses. Typically this will be through a series of exercises which test and explore the application of learning to various tasks and scenarios and will include aspects of drawing and accurate reporting.

A portfolio of work based on the material covered in the studio session will be required to be developed into a portfolio for summative submission. This is predominantly based on individual responses to tasks during the year to reduce the

likelihood of plagiarism. For essay components, this will require citations and a reference list, but tutor support will be provided to reduce the incidence of academic offences.

3. FET Library Exercise (10% of component B)

The FET Library Online Workbook will introduce and develop research and referencing skills during the first term. This element reflects this module's integration of a library familiarisation exercise, designed to assist first-year students with their research skills

The resit assessments will test the same learning outcomes with an individual presentation and a combined photographic and studio portfolio as there is no requirement for early feedback.

Assessment components:

Presentation - Component A (First Sit)

Description: Group presentation (5 mins per student)

Weighting: 50 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Set Exercise - Component B (First Sit)

Description: The FET Library Online Workbook (1 hour)

Weighting: 5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

Portfolio - Component B (First Sit)

Description: Photographic portfolio

Weighting: 22.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO5

Portfolio - Component B (First Sit)

Description: Studio portfolio

Weighting: 22.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO4, MO5

Presentation - Component A (Resit)

Description: Individual presentation (5 mins)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Portfolio - Component B (Resit)

Description: Combined portfolio

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Property Development and Planning [Sep][FT][Frenchay][3yrs] BA (Hons) 2022-23

Real Estate [Sep][SW][Frenchay][4yrs] BSc (Hons) 2022-23

Real Estate [Sep][FT][Frenchay][3yrs] BSc (Hons) 2022-23

Property Development and Planning [Sep][SW][Frenchay][4yrs] BA (Hons) 2022-23

Property Development and Planning [Frenchay] BA (Hons) 2022-23

Real Estate [Sep] [Frenchay] BSc (Hons) 2022-23

Real Estate {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Real Estate {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Property Development and Planning {Foundation} [Sep][FT][Frenchay][4yrs] BA
(Hons) 2021-22

Property Development and Planning {Foundation} [Sep][SW][Frenchay][5yrs] BA
(Hons) 2021-22