



## **Module Specification**

### **Building Pathology**

Version: 2023-24, v4.0, 15 Jun 2023

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## Part 1: Information

**Module title:** Building Pathology

**Module code:** UBLLG1-15-3

**Level:** Level 6

**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:** CONSTRUCTION AND PROPERTY

**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:** Not applicable

**Features:** Not applicable

**Educational aims:** To develop students' ability to engage with the pathology of buildings and undertake a full and comprehensive analysis and evaluation of failures and defects in a range of buildings and components.

**Outline syllabus:** The pathology of building defects in relation to:

Building movement

Dampness and condensation

External and internal walls

Internal and external finishes

Rot and insect attack

Roof structure and coverings

Foundations and floors

Cladding

Concrete failure

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** The module is delivered through a variety of scheduled learning contact sessions made up of lectures and interactive tutorials.

Delivery is designed to always include 'hands on ' practical learning based on typical real life situations and circumstances that are encountered in industry. In all cases students are encouraged to explore, question and apply themselves and above all relate to and show respect to the views and opinions of others in forging their conclusions and recommendations.

A mixture of material is to be utilised including short videos which are both informative in deepening of the knowledge base as well as providing a pathway for critical thought processes and further analysis.

Learning in this module will be supported by a parallel programme of site visits and / or visiting experts speakers to demonstrate and expand upon teaching and learning about various defects and building pathology.

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

**MO1** Apply and demonstrate the process of building pathology in relation to the cause, origins and nature of building defects.

**MO2** Diagnose and critically analyse a range of common building defects.

**MO3** Critically evaluate past and current construction techniques, materials and standards of work performance, examining how they can contribute to premature building failure.

**Hours to be allocated:** 150

**Contact hours:**

Independent study/self-guided study = 114 hours

Lectures = 18 hours

Total = 150

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](http://readinglists.uwe.ac.uk) via the following link

## **Part 4: Assessment**

**Assessment strategy:** The Assessment:

Portfolio (2000 words) - Students will be required to undertake a range of activities and tasks throughout the teaching weeks which will culminate in the submission of a portfolio of material and evidence that is expected to demonstrate their ability to identify, analyse and carry out extensive further reading on both the technical and pathological aspects of defects in buildings. Furthermore the portfolio allows the student to critically evaluate literature as well as current practice which aligns with the profession of building surveying and the core competencies required by professional bodies. Students will be given formative feedback, group and individual vivas in tutorials as their portfolio of evidence is developed and reviewed to support and enhance the learning.

Presentation - exploring typical construction forms and their inherent defects through

material performance and construction detailing, Providing rigorous and effective mechanism for measuring how effectively the students have attained the learning outcomes and are able to apply their comprehension of building pathology.

Resit Portfolio - a similar brief to that described above, which may include a summary of changes from any previously submitted portfolios.

Resit presentation - a similar structure to that described above, which may include some question changes.

### **Assessment components:**

#### **Presentation (First Sit)**

Description: Professional Viva Assessing knowledge of UK residential building construction (10 mins)

Weighting: 30 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3

#### **Portfolio (First Sit)**

Description: Portfolio (2000 words)

Weighting: 70 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

#### **Presentation (Resit)**

Description: Professional Viva Assessing knowledge of UK residential building construction (10 mins)

Weighting: 30 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3

**Portfolio (Resit)**

Description: Portfolio (2000 words max)

Weighting: 70 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Building Surveying [Frenchay] MSc 2023-24

Building Surveying [Frenchay] MSc 2023-24

Building Surveying [Frenchay] BSc (Hons) 2022-23

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

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

Building Surveying {Apprenticeship-UWE} [Sep][FT][Frenchay][5yrs] BSc (Hons)  
2020-21

Building Surveying [Sep][PT][Frenchay][5yrs] BSc (Hons) 2020-21