



Module Specification

Building Pathology

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Part 1: Information

Module title: Building Pathology

Module code: UBLLG1-15-3

Level: Level 6

For implementation from: 2021-22

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: Frenchay Campus

Field: CONSTRUCTION AND PROPERTY

Module type: Standard

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:

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 via the following link

Part 4: Assessment

Assessment strategy: The coursework based assessment will cover the broad curriculum via a personal research-based portfolio. The final summative assessment will be in the form of an end of module online exam.

Coursework: 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 the RICS.

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.

The final element is an online exam. This allows students to demonstrate both the breadth and depth of knowledge of the topics covered. It provides a suitable, 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 .

Assessment components:

Examination (Online) - Component A (First Sit)

Description: Online Exam (24 hour window)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Portfolio - Component B (First Sit)

Description: Portfolio of a range of self-selected separate building defects that includes an analysis and examination on each reviewing the possible cause/s, effect/s implications supported by citation of suitable literature sources. (1,650 words max).

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Examination (Online) - Component A (Resit)

Description: Online Exam (24 hour window)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Portfolio - Component B (Resit)

Description: Portfolio (1,650 words max)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Building Surveying [Sep][FT][Frenchay][1yr] MSc 2021-22

Building Surveying [Sep][PT][Frenchay][2yrs] MSc 2021-22

Building Surveying {with Preparatory Studies} [Sep][FT][Frenchay][2yrs] MSc 2021-22

Building Surveying {With Preparatory Studies} [Sep][PT][Frenchay][3yrs] MSc 2020-21

Building Surveying [Sep][PT][Frenchay][3yrs] GradDip 2020-21

Building Surveying [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Building Surveying [Sep][FT][Frenchay][3yrs] BSc (Hons) 2020-21

Building Surveying {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Building Surveying {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20

Building Surveying {Apprenticeship-UWE} [Sep][FT][Frenchay][5yrs] BSc (Hons) 2018-19

Building Surveying [Sep][PT][Frenchay][5yrs] BSc (Hons) 2018-19