



Module Specification

Advanced Building Surveying

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Part 1: Information

Module title: Advanced Building Surveying

Module code: UBLLT1-30-M

Level: Level 7

For implementation from: 2021-22

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: 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: This module draws together a number of issues relating to the repair, pathology, refurbishment or adaptation of buildings in complex urban situations to respond to changes in demand for complex commercial buildings and mixed usage. The impact of new technology, concepts relating to facilities management, financial accounting and sustainable agendas are integrated and explored critically within the strategic management role adopted by building surveyors in industry.

Features: Not applicable

Educational aims:

The following provides an indicative list of headings that will help inform the syllabus although not necessarily in this sequence, or with equal measure:

The critical analysis of the key elements and processes for addressing building obsolescence with their application to refurbishment projects.

The evaluation of the facilities management and maintenance strategies that contribute to financial planning for complex estates and property portfolios.

The critical analysis of emerging technology ,its evolution and change within the building surveying and property sector

The critique and the pathology of the core technical aspects of performance of building elements in commercial property.

In addition to the Learning Outcomes, the educational experience may explore, develop, and practise but not formally- discretely assess the following:

Working as a team member

Outline syllabus: Fire safety management and associated strategies, legislation, current research , codes of practice, British standards, Implications of the Hackitt Review.

Approaches to Project management , financial accountability for the effective use of built assets (related to Best Value, and procurement).

Security and data management

Sustainable agendas, drivers, portfolio energy management reporting and performance.

Client care ,professional consultancy and strategies

Building information Modelling (BIM) ,Big Data, emerging technology.

Obsolescence within the management of facilities and estates.

Defects in Commercial Buildings- concrete, steel, glass, claddings, roofs

The management of deleterious materials-Asbestos, HAC, calcium chlorides.
Pathology and forensics associated with commercial building defects such as galvanic corrosion, cladding curtain wall failure including structural failure such fatigue/creep etc

Fabric improvement strategies e.g. accessibility, inclusive environments,
Sustainable design in refurbishment including Legal framework and Regulatory requirements

Financial Management: Financial management project CRV, Cash Flow reporting of cap ex and understanding of restrictive covenants

Professional Ethics, codes of conduct, due diligence.

Part 3: Teaching and learning methods

Teaching and learning methods: Students will be expected to have undertaken independent learning prior to the taught component of the module which will be delivered by means of lectures, workshops, case studies, studios and tutorials over one semester.

Teaching will involve peer to peer discussion groups and open forums to evaluate and critique a range of cases, situations and current research.

Students are required to work collaboratively via peer presentations by and to the group. These are undertaken to enable students to develop the skills and capabilities to analyse problems, enter into dialogue, negotiate, make decisions and present solutions to problems. The formative work and resulting discussions that evolve in the presentations will provide leads for research material which is useful for the preparation of the final professional portfolio.

Directed reading examining the key principles and relevant criteria relating to a number of topics of importance in the operation and maintenance of buildings, facilities management will also be undertaken on a week by week basis.

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

MO1 Analyse the factors and sustainable drivers leading to obsolescence in buildings and critically appraise strategies employed to monitor and evaluate such buildings eliciting and design refurbishment solutions accordingly. On successful completion of this module students will achieve the following learning outcomes.

MO2 Analyse core and advanced technical performance, pathology and regulative factors that impact on buildings of mixed use (commercial, residential) On successful completion of this module students will achieve the following learning outcomes.

MO3 Evaluate the impact of emerging technological change within the building surveying profession. On successful completion of this module students will achieve the following learning outcomes.

MO4 Compare and critique refurbishment project management procurement strategies for different clients. On successful completion of this module students will achieve the following learning outcomes.

MO5 Critically appraise and reflect on the relevance of research undertaken, relating academic theory to industry practice.

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/UBLLT1-30-M.html) via the following link <https://uwe.rl.talis.com/modules/UBLLT1-30-M.html>

Part 4: Assessment

Assessment strategy: As a practice based module the assessment strategy has been designed so that students have to research, synthesise and develop solutions within a professional context. Students shall work collaboratively in teams to develop proposals and solutions, appreciating how their decision making is informed by and impacts on others.

For component A (30% weighting) and in line with the ethos of the programme in terms of professional standards and protocol, under controlled conditions each student will participate in a 20 minute group presentation, justifying their decision making and reasoning based on a critical appraisal of current industry specific case studies.

Component B (70% weighting) represents the most significant weighting in terms of the assessed contribution to the module which will culminate with each student producing an individual professional structured portfolio of work compiled of evidence which replicates typical industry standard rules of conduct, procedures and activities. In addition to the work being subject to 'safe assign' plagiarism scrutiny- students are expected to follow and adhere to the ethical standards of the professional bodies and are required to reference all work in strict accordance with the UWE Harvard system.

The resit assessment strategy is the same as the first sit assessment in terms of component B. However it does reflect that students will not be working in groups for the resit of component A and therefore they will be required to undertake a 20 minute individual viva based presentation.

Assessment components:

Presentation - Component A (First Sit)

Description: For component A (30% weighting) and in line with the ethos of the programme in terms of professional standards and protocol, under controlled conditions each student will participate in a 20 minute group presentation, justifying

their decision making and reasoning based on a critical appraisal of current industry specific case studies.

Weighting: 30 %

Final assessment: No

Group work: Yes

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

Portfolio - Component B (First Sit)

Description: Portfolio

Production of an individual professional structured portfolio of work compiled of evidence which replicates typical industry standard rules of conduct, procedures and activities.

Weighting: 70 %

Final assessment: Yes

Group work: No

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

Presentation - Component A (Resit)

Description: Students will be required to undertake a 20 minute individual viva based presentation project scenario for the resit on component A.

Weighting: 30 %

Final assessment: No

Group work: No

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

Portfolio - Component B (Resit)

Description: Resubmission of an updated and improved version of an individual professional structured portfolio of work compiled of evidence which replicates typical industry standard rules of conduct, procedures and activities.

Weighting: 70 %

Final assessment: Yes

Group work: No

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

Part 5: Contributes towards

This module contributes towards the following programmes of study:

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