MODULE DESCRIPTOR

Module Title

Building Pathology 3

Reference	SU4023	Version	7
Created	July 2021	SCQF Level	SCQF 10
Approved	July 2005	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

Aims of Module

To provide the student with the ability to appropriately identify, appraise, evaluate and synthesise remedial strategies for structural repair, maintenance and rehabilitation works and to estimate costs for such works.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Competently identify sources of structural and general building defects and evaluate and justify an appropriate remedial strategy.
2	Evaluate appropriate strategies for maintenance and rehabilitation works and identify a suitable procurement method for a given scenario.
3	Outline, critique and apply budgeting methods for the management of building maintenance.

Indicative Module Content

Causes and identification of building defects will be studied such as building movement, stabilisation, deformation and remedial action relating to contaminated sites and products and remedial strategies evaluated. This will review and evaluate the particular problems associated with management of rehabilitation and conservation works and the constraints that these place on cost estimation and control. Assessment of design on maintenance and longevity of buildings in the context of specific scenarios will be explored. Financial planning of maintenance budgets will be explored as will alternative procurement strategies. Financing of maintenance works will be explored including sinking funds, insurances and loss adjusting.

Module Delivery

This is a lecture based module supplemented with tutorials and workshops. A substantial part of the module is devoted to student centred learning in the form of directed reading of journal articles, core texts and other resource materials.

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Indicative Student Workload	Full Time	Part Time
Contact Hours	35	N/A
Non-Contact Hours	115	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3
Description:	One piece of individual based assessment in the form of a case study analysis.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting of Component 1 (Coursework). An overall minimum grade D is required to pass the module. Non-submission will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1	BRITISH STANDARDS INSTITUTION, 2000. BS ISO 15686 ? 1. Buildings and Constructed Assets ? service life planning ? Part 1: General Principles, 1st edn.. London: BSI.
2	HOXLEY, M., 2002. Construction Companion to Building Surveys. London: RIBA Publications.
3	ROYAL INSTITUTION OF CHARTERED SURVEYORS, 2000. Building Maintenance: strategy, planning and procurement. London: RICS.
4	WORDSWORTH, P., 2001. Lees Building Maintenance Management, 4Th Edn.. London: Blackwell.
5	Mika, S.L.J. & Desch, S.C., 1991, Structural Surveying, Macmillan
6	Atkinson, M.F., 2000, Structural Defects Reference Manual for Low Rise Domestic Builidngs, E & FN Spon
7	Dickinson, P.R., Thornton, N, 2004, Cracking & Builidng Movement, RICS