

#### Summary Information

Module Code	5206BEUG
Formal Module Title	Pathology and Inspection
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

#### Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

#### Learning Methods

Learning Method Type	Hours
Lecture	20
Workshop	30

#### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

#### Aims and Outcomes

Aims	To undertake advanced building inspections through the systematic appraisal of building defects causing decay and deterioration, in order to propose remediation solutions for commercial buildings and organisations.
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**After completing the module the student should be able to:**

**Learning Outcomes**

Code	Number	Description
MLO1	1	Investigate, appraise and report on the causes of typical defects to commercial buildings.
MLO2	2	Select and evaluate appropriate remedial works, including costs, to a range of typical defects and scenarios
MLO3	3	Make informed judgements relating to building defects and overall condition in the context of building use, adaptation, ownership and associated legal frameworks
MLO4	4	Produce a design scheme for an existing building, considering its existing/future use

**Module Content**

Outline Syllabus	Common building defects relating to commercial buildings, including defects related to foundations, masonry, timber, metal, dampness. Building Inspections: Survey Procedures, Recording a Survey, Survey Reports. Building Services: Defects and inspections of drainage, water supply, heating and ventilation services, sick building syndrome. Selection criteria for remediation options including building refurbishment. Building refurbishment and adaptation. Building design in the context of proposed remediation options. Method statements and risk assessments for building surveys and remedial works.
Module Overview	This module enables you to undertake advanced building inspections through the systematic appraisal of building defects causing decay and deterioration in order to propose remediation solutions for commercial buildings and organisations. You will be introduced to the study of building defects, their causes and remedial measures, and the application to different building uses and ownerships.
Additional Information	This module introduces students to the study of building defects, their causes and remedial measures, and the application to different building uses and ownership's.

**Assessments**

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Portfolio	100	0	MLO1, MLO2, MLO3, MLO4

**Module Contacts**

**Module Leader**

Contact Name	Applies to all offerings	Offerings
Tom Hogarth	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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