

**Summary Information**

<b>Module Code</b>	5313BEUG
<b>Formal Module Title</b>	Pathology and Inspection
<b>Owning School</b>	Civil Engineering and Built Environment
<b>Career</b>	Undergraduate
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 5
<b>Grading Schema</b>	40

**Module Contacts**
**Module Leader**

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

**Module Team Member**

Contact Name	Applies to all offerings	Offerings
Timothy Baaki	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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**Teaching Responsibility**

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

**Learning Methods**

Learning Method Type	Hours
Lecture	22
Workshop	22

## Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	12 Weeks

## Aims and Outcomes

<b>Aims</b>	To undertake a commercial building inspection through the systematic appraisal of building defects causing decay and deterioration, in order to propose remediation solutions.
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## Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Investigate, appraise and report on the causes of typical defects to commercial buildings.
MLO2	Evaluate, select and cost appropriate remedial works to a range of typical defects and scenarios including heat loss reduction.
MLO3	Make informed judgements relating to building defects and overall condition in the context of building use, adaptation, ownership and associated legal frameworks

## 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. Technology and devices used by surveyors for undertaking building inspections. Thermal imaging for detection of heat loss 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 with reference to inclusivity Considerations for upgrading buildings including methods statements, schedules and risk assessments.

Module Overview
In this module students undertake a commercial building inspection through the systematic appraisal of building defects causing decay and deterioration, in order to propose remediation solutions.

### Additional Information

This module introduces students to the study of building defects, their causes and remedial measures, with reference to non-domestic buildings.

### Assessments

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