

Summary Information

Module Code	5513BEKL
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
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College IMPERIA

Learning Methods

Learning Method Type	Hours
Lecture	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	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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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	Evaluate, select and cost appropriate remedial works to a range of typical defects and scenarios including heat loss reduction.
MLO3	3	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	<p>Common building defects relating to commercial buildings, including defects related to foundations, masonry, timber, metal, dampness.</p> <p>Building inspections: survey procedures, recording a survey, survey reports.</p> <p>Technology and devices used by surveyors for undertaking building inspections.</p> <p>Thermal imaging for detection of heat loss</p> <p>Building Services: defects and inspections of drainage, water supply, heating and ventilation services, sick building syndrome.</p> <p>Selection criteria for remediation options including building refurbishment</p> <p>Building refurbishment and adaptation with reference to inclusivity</p> <p>Considerations for upgrading buildings including methods statements, schedules and risk assessments.</p>
Module Overview	
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)	Module Learning Outcome Mapping
Portfolio	AS1	100	0	MLO1, MLO2, MLO3

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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