

Module Information

2022.01, Approved

Summary Information

Module Code	5504ICBTQS
Formal Module Title	Conversion and Adaptation of Buildings
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	15
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 of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	45
Off Site	10
Tutorial	15

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
APR-PAR	PAR	April	12 Weeks

JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	Aim(s) of the module is to demonstrate and understanding of various concepts, theories and techniques use to survey existing buildings, principles of building conversion & adaptation to meet intended functional requirements of the building.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Demonstrate an understanding about the role of a building surveyor & various techniques use to survey existing building structures and its elements.
MLO2	2	Analyse requirements of change in function & principles of building conversion to meet new functional requirements of the building and distinguish principles of building adaptation to adjust and alter effectively to meet new functional requirements of the building.
MLO3	3	Assess the requirement of effective maintenance management to assure uninterrupted working settings of various type of buildings.
MLO4	4	Apply fundamentals of Facilities Management to integration of processes of a building to continue and develop the agreed services which support and improve the effectiveness of functional requirements of the building.

Module Content

Outline Syllabus	Role of a Building surveyor Types of building defects Building defect survey Building surveying techniques, testing methods and survey report Feasibility studies for building conversion Building conversion & impacts on building life cycle Difficulties in building conversion: Practical issues Principles of building adaptation: Feasibility, Adaptive Re-Use, Lateral extensions, Vertical extensions, Structural alterations, Principles of refurbishment, Further aspects of refurbishment & Sustainable adaptation Building Maintenance (Soft, Hard) Building Maintenance strategies: Corrective, Preventive, Predictive Building Automation & Intelligent Building Management Systems Introduction to Soft and FM: communication, continuity operation planning, energy management, building operations management, building space management and coordination of people and physical environment of building
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Coursework 1	50	0	MLO2, MLO3
Report	Coursework 2	50	0	MLO1, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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