

Measurement for Construction Works

Module Information

2022.01, Approved

Summary Information

Module Code	4509ICBTQS
Formal Module Title	Measurement for Construction Works
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 4
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
Practical	15
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_NS-PAR	PAR	September (Non-standard start date)	12 Weeks

Aims and Outcomes

Aims	Aim(s) of the module is to understand & apply principles of measurements to produce Bill of Quantities of various types & forms of buildings structures, structural elements, internal, external finishing works & related services and also to apply principles of measurements to produce Bill of Quantities of civil engineering works.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify standard methods & techniques of measurements in building works.
MLO2	2	Assess various standards & Code of Procedure of the measurement of building works.
MLO3	3	Demonstrate the knowledge & apply principles & codes of measurement to produce un-priced/priced Bill of Quantities related to building construction.
MLO4	4	Prepare preamble and preliminary items.

Module Content

Outline Syllabus	Techniques & methods of taking off measurements from design details: Take-off sheets, abstract sheet, query sheets Taking off site measurement (Actual measurement): Joint measurement procedures Common mistakes & misconceptions of taking off measurements Standards & Code of Procedure of measurement of building works: SMM7/ NRM2 Use of SMM7/ NRM2 and take-off measurements Preparation of complete Bill of Quantities (Priced) including Preliminary Bill, Preambles, Provisional Sum & Prime Cost.
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Assignment	30	0	MLO1, MLO4
Exam	Examination	70	2	MLO2, MLO3

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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