

Measurement Procedures for Construction

Module Information

2022.01, Approved

Summary Information

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| Module Code | 5505ICPDQS |
| Formal Module Title | Measurement Procedures for Construction |
| Owning School | Civil Engineering and Built Environment |
| Career | Undergraduate |
| Credits | 15 |
| Academic level | FHEQ Level 5 |
| Grading Schema | 40 |

Teaching Responsibility

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|-----------------------------------|
| LJMU Schools involved in Delivery |
| LJMU Partner Taught |

Partner Teaching Institution

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| Institution Name |
| International College of Business and Technology |

Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture | 15 |
| Tutorial | 30 |

Module Offering(s)

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

Aims and Outcomes

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| Aims | Aim(s) of the module is to demonstrate understanding & 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, related services & external works and civil engineering works. |
| MLO2 | 2 | Assess & apply various standards & Code of Procedure or the measurement of building works, related services & external works and civil engineering works. |
| MLO3 | 3 | Apply principles & codes of measurement to produce un-priced/priced Bill of Quantities related to civil engineering works. |
| MLO4 | 4 | Analyse computer-based tools & applications of measurements and future of Quantity Surveying practice with advance IT applications for measurement works. |

Module Content

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| 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, related services & external works and civil engineering works: SMM7/ CESMM3/ NRM2 Use SMM7/ CESMM3 /NRM2 and take-off measurements Preparation of complete Bill of Quantities (Priced) Introduction to computer based tools for taking off measurements: CATO systems |
| Module Overview | |
| Additional Information | |

Assessments

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

Module Contacts

Module Leader

| Contact Name | Applies to all offerings | Offerings |
|-----------------|--------------------------|-----------|
| Alison Cotgrave | Yes | N/A |

Partner Module Team

| Contact Name | Applies to all offerings | Offerings |
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