

QSM202 Construction Measurement (2 of 4) Architectural and M&E Works

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Construction Measurement (2 of 4) Architectural and M&E Works focuses on the measurement of Architectural and Mechanical & Electrical works. It develops students' understanding and skills in the measurement of building works involving wall, floor and ceiling finishes, doors and windows, roof structures & coverings, and general mechanical, electrical and plumbing installation works.

Topics:

- Measurement of in-situ and tiled wall and floor finishes
- Measurement of system floor and ceiling finishes
- Measurement of timber pitched roofs
- Measurement of pitched roof coverings and rainwater goods
- Measurement of doors and associated sundry items
- Measurement of windows and associated sundry items
- Application of general SMM principles for measuring Mechanical installations
- Measurement of pipes, ducts, insulation and associated fittings
- Application of general SMM principles for measuring Electrical installations
- Measurement of conduits, cables, lighting installations and associated electrical works
- Application of general SMM principles for measuring plumbing installations
- Measurement of cold & hot water supply, sanitary & plumbing system, CCTV and fire protection system

Textbooks:

: Standard Method of Measurement of Building Works SISV
ISBN-13: SISV

: Standard Method of Measurement of Building Works SISV
ISBN-13: SISV-AA

Learning Outcome:

- Apply the relevant SMM rules for measuring quantities.
- Identify scope and interpret drawings and specifications for measuring Architectural and M&E Works.
- Interpret the principles and rules of the Standard Method of Measurement for Building Works 2 (SMM2) relating to the measurement of Architectural and M&E works.
- Prepare a list of items based on drawings and specifications for measuring quantities relating to the measurement of wall, floor and ceiling finishes, doors and windows, roof structures & coverings, and general mechanical, electrical and plumbing works.
- Apply the principles and rules of SMM2 to measure wall, floor and ceiling finishes, doors and windows, roof structures & coverings, and general mechanical, electrical and plumbing works.
- Demonstrate ability to ensure that quantities measured are accurate and consistent with SMM2 principles through bulk check.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
TUTOR-MARKED ASSIGNMENT	15
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Sub-Total	30

Examinable Component	Weightage (%)
ECA	70
Sub-Total	70

Weightage Total **100**