

QSM302 Construction Measurement (4 of 4) Specialist Work

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Construction Measurement (4 of 4) Specialist Work focuses on the measurement of specialist work in projects. It develops students' understanding and skills in the measurement of building works involving earthwork calculations, deep basement excavation, demolition and alteration works, precast and prestressed concrete, curtain walls and cladding systems, glazing and external works.

Topics:

- General principles and formulae relating to earthwork calculations and measurement
- Measurement of earthworks involving cutting and filling
- Measurement of basement excavation and associated reinforced concrete works
- Measurement of basement tanking and waterproofing works
- Measurement of diaphragm walls excavation and associated works
- Measurement of external works involving apron slab and surface water channel
- Measurement of external works involving gates, fencing, turfing and tree planting
- Measurement of demolition and alteration works
- Measurement of underpinning works
- Measurement of precast and prestressed reinforced concrete works
- Measurement of external system cladding and curtain walling
- Measurement of glazing works

Textbooks:

: Standard Method of Measurement of Building Works SISV
ISBN-13: BSISVSMOMOBW2

Learning Outcome:

- Apply the relevant SMM rules for measuring quantities
- Identify scope and interpret drawings and specifications for measuring building related specialist work.
- Interpret the principles and rules of the Standard Method of Measurement for Building Works 2 (SMM2) relating to the measurement of specialist work in buildings
- Prepare a list of items based on drawings and specifications for measuring quantities relating to the measurement of earthwork, deep basement excavation, demolition and alteration works, precast and prestressed concrete, curtain and cladding systems, glazing and external works.
- Apply the principles and rules of SMM2 to measure earthwork, deep basement excavation, demolition and alteration works, precast and prestressed concrete, curtain and cladding systems, glazing and external works.
- Demonstrate ability to ensure that quantities measured are accurate and consistent with SMM2 principles through bulk check

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	15
	TUTOR-MARKED ASSIGNMENT 2	15
Overall Examinable Components	ECA	70
Total		100