

BPM209 Cost Management for C&S Works

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

BPM209 Measurement for C&S Works discusses the responsibilities of the quantity surveyor and covers the fundamental principles for the measurement of civil and structural work items on projects. It also covers the writing of specifications for such items. It develops students' skills in conventional and e-measurement of building works covering foundations, frame and building envelope.

Topics:

- The Role of the Quantity Surveyor
- The Construction Electronic Measurement Standards
- Standard Methods of Measurement and Bills of Quantities for C&S Works
- Interpretation of Drawings for C&S Works
- Specifications/ Descriptions for C&S Works
- Measurement of Excavation, Piling and Concrete works
- Measurement of Columns, Beams, Slabs & Staircase
- Measurement of Structural Steelwork
- Measurement of Drainage Work
- Measurement of Road Work and Drains
- Cost Management and Control for C&S Works
- BIM and AutoCAD for C&S Works

Textbooks:

: Singapore Standard CP 97:2002 Construction Electronic Measurement Standards (CEMS), Part 1:
SMM for Building Works
ISBN-13: ITSC

: Singapore Standard CP 97:2002 Construction Electronic Measurement Standards (CEMS), Part 1:
SMM for Building Works
ISBN-13: ITSC-AA

Teo Ai Lin, KPK, DLS: Building Quantities: An Introduction Using Construction Electronic
Measurement By Teo Ai Lin, KPK, DLS (Old ISBN:9780071274821) 2008 McGraw-Hill
ISBN-13: 9789814691048-AA

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Learning Outcome:

- Describe the purpose and principles of measuring quantities
- Identify scope and interpret drawings for C&S works
- Apply measurement techniques for costing
- Explain cost management for C&S works
- Demonstrate ability to use e-measurement tools and write specifications
- Analyze cost efficiency for C&S items

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
TUTOR-MARKED ASSIGNMENT	10
TUTOR-MARKED ASSIGNMENT	20
Sub-Total	30

Examinable Component	Weightage (%)
Written Exam	70
Sub-Total	70

Weightage Total **100**