

BPM309 Cost Management for M&E Works

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

BPM309 Measurement for M&E Works covers the fundamental principles for the measurement of mechanical and electrical work items on projects. It also covers the writing of specifications for such items. It develops students' skills in conventional and e-measurement of mechanical and electrical works.

Topics:

- Mechanical Works
- Electrical Works
- Cost Assessment and Control for M&E Works
- Principles of Measurement for M&E Works
- Standard Methods of Measurement for M&E Works
- Bills of Quantities for M&E Works
- Interpretation of Drawings for M&E Works
- Taking Off for Mechanical Works
- Taking Off for Electrical Works
- BIM and AutoCAD for M&E Works
- E-Measurement for M&E Works
- Managing Costs and Specifications/ Descriptions for M&E Works

Textbooks:

: Singapore Standard CP 97:2004 Construction Electronic Measurement Standards (CEMS), Part 2:
SMM for Mechanical and Electrical Works
ISBN-13: ITSC-Part 2-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

: Singapore Standard CP 97:2004 Construction Electronic Measurement Standards (CEMS), Part 2:
SMM for Mechanical and Electrical Works
ISBN-13: ITSC-Part 2

Teo Ai Lin, KPK, DLS: Building Quantities: An Introduction Using Construction Electronic
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Learning Outcome:

- Illustrate the purpose and principles of cost management
- Interpret drawings for M&E works
- Apply measurement techniques for costing
- Demonstrate ability to use e-measurement tools
- Evaluate cost efficiency of M&E items
- Propose cost management strategies

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**