

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:

Building quantities: an introduction using construction electronic measurement 3rd Teo Ai Lin, KPK,
DLS McGraw-Hill
ISBN-13: 9789813319509

BPM309 Study Guide (Online)
ISBN-13: SG-1508

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

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 - Regular Semester (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	10
	TUTOR-MARKED ASSIGNMENT 2	20
Overall Examinable Components	Written Exam	70
Total		100

*The information listed is subject to review and change.