

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 Toppan Next
ISBN-13: ITSC

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

BPM209 Study Guide (UDC - SUSS) SUSS
ISBN-13: SG-1030

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 - 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.