

## **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:**

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

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

**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 (Evening Class):**

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