

BPM207 Cost Management for Architectural Works

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

BPM207 Cost Management for Architectural Works covers the fundamental principles and methodologies for the cost management of architectural work items on projects. It covers the conventional and e-measurement of architectural works and writing of specifications for such items. It also develops students' skills in the application of cost management principles and techniques to implement cost estimation, cost control, business planning, profitability analysis and project management

Topics:

- Cost Management and Cost Engineering
- Application of Principles and Techniques to Cost Estimating, Cost Control, Business Planning, Profitability Analysis and Project Management
- Standard Methods of Measurement for Architectural Works
- Bills of Quantities for Architectural Works
- Interpretation of Drawings for Architectural Works
- Taking Off for Architectural Works
- BIM and AutoCAD for Architectural Works
- E-Measurement for Architectural Works
- Managing Costs and Specifications/Descriptions for Architectural Works
- Preliminaries, Site Development Specialist Works, External Works, Contingency
- Project Cost Model and the Element Cost Model

Textbooks:

: 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 architectural works
- Apply measurement techniques for costing
- Explain cost management methods for architectural works
- Demonstrate ability to use e-measurement tools
- Analyze cost efficiency of architectural 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**