



UNIVERSITI TEKNOLOGI MARA

BCM663: BUILDERS QUANTITIES AND ESTIMATING III

Course Name (English)	BUILDERS QUANTITIES AND ESTIMATING III APPROVED
Course Code	BCM663
MQF Credit	3
Course Description	This is a third and final part of builders' quantities and estimating. The course is designed to provide students with further understanding and ability to do measurement and estimating for civil engineering works. The Estimating part covers the procedures and problems of obtaining estimates for civil engineering works such as earthworks, roadwork, bridge, drainage, water reticulation and sewerage.
Transferable Skills	Advance measuring and costing skill Advance estimating skill Advance information management skill
Teaching Methodologies	Lectures, Tutorial
CLO	CLO1 Evaluate appropriate quantities and cost for civil engineering work CLO2 Display procedure in measurement of civil engineering work CLO3 Display relevant information in estimating cost of civil engineering work.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction to Civil Engineering Standard Method of Measurement 1.1) n/a	
2. Measurement Civil Engineering Works: 2.1) Demolition & site clearance 2.2) Earthworks & excavation 2.3) Retaining structures 2.4) Road works 2.5) Bridge 2.6) Drainage 2.7) Water reticulation 2.8) Sewerage	
3. Building up rates and quantifying of materials for 3.1) Demolition & site clearance 3.2) Earthworks & excavation 3.3) Retaining structures 3.4) Road works 3.5) Bridge 3.6) Drainage 3.7) Water reticulation 3.8) Sewerage	
4. Bidding strategy and analysis of bidding performance 4.1) n/a	
5. Tender negotiations. 5.1) n/a	
6. Tender evaluation and procedures 6.1) Types of evaluation and comparisons of bids.	

Assessment Breakdown	%
Continuous Assessment	50.00%
Final Assessment	50.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Measure and apply correct method of measurement	25%	CLO2
	Assignment	apply correct methods of estimating to obtain accurate estimates for building trades	25%	CLO3

Reading List	Recommended Text	<ul style="list-style-type: none"> • Ashworth, A 2007, <i>Willis's Practice and Procedure For The Quantity Surveying</i> • Abdullah, A., A. Rashid, K 2003, <i>Pengukuran Kuantiti Bangunan</i> • Peurifoy, Robert L., Oberlender, Garold D 2002, <i>Estimating Construction Costs</i>, Boston • Oberlender, G 2002, <i>Estimating Construction Costs</i> • Atton,W, <i>Estimating 1992, Applied for Building</i>, 5th Ed., Godwin
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	