



UNIVERSITI TEKNOLOGI MARA

QSM601: MEASUREMENT OF CONSTRUCTION WORKS V

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| <b>Course Name (English)</b>   | MEASUREMENT OF CONSTRUCTION WORKS V <b>APPROVED</b>   |
| <b>Course Code</b>   | QSM601  |
| <b>MQF Credit</b>  | 4   |
| <b>Course Description</b>  | The course is designed to provide a further understanding of measurement of building works on external works and services installation, understanding and compilation of Prime Cost Sum, Provisional Sum and Preliminaries. The course also covers the measurement of building works using computer software.   |
| <b>Transferable Skills</b>   | Ability to acquire knowledge on quantity surveying fundamental and in depth technical knowledge in one or more specializations, ability to express ideas effectively in written and oral form and use the technique, skill and appropriate quantity surveying tools necessary for quantity surveying practice and ability to work both as an individual and in a team on quantity surveying or multi-disciplinary projects. |
| <b>Teaching Methodologies</b>  | Lectures, Tutorial  |
| <b>CLO</b>   | CLO1 Understand and able to interpret drawings, measure and prepare schedule for measured items.<br>CLO2 Measure external works and services installation, understand and compile Prime Cost Sum, Provisional Sum and Preliminaries.<br>CLO3 Measure related elements using computer software.  |
| <b>Pre-Requisite Courses</b>   | No course recommendations   |
| <b>Topics</b>  |   |
| <b>1. Topic 1</b><br>1.1) Preliminaries, Prime Cost Sum, Provisional Sum   |   |
| <b>2. Topic 2</b><br>2.1) Surface Water Drainage<br>2.2) Soil Drainage<br>2.3) Water Reticulation<br>2.4) Draft Bills<br>2.5) Computer-aided Measurement |   |
| <b>3. Topic 3</b><br>3.1) Road and Car parks<br>3.2) Landscaping Works<br>3.3) Fencing and Gates<br>3.4) Draft Bills<br>3.5) Computer-aided measurement  |   |
| <b>4. Topic 4</b><br>4.1) Services Installation  |   |

| Assessment Breakdown  | %      |
|-----------------------|--------|
| Continuous Assessment | 50.00% |
| Final Assessment      | 50.00% |

| Details of Continuous Assessment | Assessment Type | Assessment Description | % of Total Mark | CLO                |
|----------------------------------|-----------------|------------------------|-----------------|--------------------|
|                                  | Assignment      | n/a                    | 10%             | CLO1 , CLO2 , CLO3 |
|                                  | Assignment      | n/a                    | 30%             | CLO1 , CLO2 , CLO3 |
|                                  | Test            | n/a                    | 10%             | CLO1 , CLO2        |

| Reading List       | Recommended Text                                      | <ul style="list-style-type: none"> <li>• ISM 2000, <i>Malaysian Standard Method of Measurement of Building Works</i>, 2 Ed., Malaysia, ISM</li> <li>• Wilcox C. 1980, <i>Measurement of construction work</i>, Godwin London</li> <li>• Willis A.J. et. al 1998, <i>Elements of quantity surveying</i>, 9 Ed., Blackwell Science (UK) London</li> </ul> |
|--------------------|---|---|
|                    | Reference Book Resources                              | <ul style="list-style-type: none"> <li>• Ahamad Abdullah., &amp; Khairuddin Abd. Rashid 2004, <i>Pengukuran kuantiti bangunan (2nd ed.)</i>. Malaysia, 2 Ed., Malaysia: ISM</li> <li>• Seeley I.H 1998, <i>Building quantities explained</i>, Palgrave Macmillan London</li> </ul>  |
| Article/Paper List | This Course does not have any article/paper resources |   |
| Other References   | This Course does not have any other resources         |   |