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| <b>Module Title:</b>   | Quantity Surveying and Estimating   |
| <b>Language of Instruction:</b>  | English   |
| <b>Credits:</b>  | 5   |
| <b>NFQ Level:</b>  | 6   |
| <b>Module Delivered In</b>   | <a href="#">2 programme(s)</a>  |
| <b>Teaching &amp; Learning Strategies:</b>   | Lectures Projects Practicals Private study  |
| <b>Module Aim:</b>   | The aims of the module are: (1) to develop a knowledge of measurement, tendering and post contract procedures. (2) to teach measurement and estimating skills. Students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the learning outcomes listed below. |
| <b>Learning Outcomes</b>   |   |
| <i>On successful completion of this module the learner should be able to:</i>  |   |
| LO1  | to effectively describe the parties to the construction industry and associated professional bodies   |
| LO2  | to accurately measure simple civil engineering work in accordance with current Standard Method of Measurement   |
| LO3  | to estimate the cost of simple civil engineering work in a systematic manner  |
| LO4  | to demonstrate an understanding of how to value "as constructed" work and variations in accordance with the Conditions of Contract  |
| <b>Pre-requisite learning</b>  |   |
| <b>Module Recommendations</b><br><i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>         |   |
| No recommendations listed  |   |
| <b>Incompatible Modules</b><br><i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i> |   |
| No incompatible modules listed   |   |
| <b>Co-requisite Modules</b>  |   |
| No Co-requisite modules listed   |   |
| <b>Requirements</b><br><i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>          |   |
| No requirements listed   |   |

## Module Content & Assessment

### Indicative Content

#### (1) Parties to The Construction Industry

(a) Client (b) Design Team (c) Construction Team (d) Professional Bodies associated with Irish Construction Industry

#### (2) Estimating

(a) Plant costing (b) Cost of labour (c) Preparation of unit rates

#### (3) Measurement of Civil Engineering Work

(a) Measurement of simple civil engineering work using current Standard Method of Measurement (groundworks)

#### (4) Tendering Procedures and Arrangements

(a) Open tendering (b) Selective tendering (c) Negotiated tenders (d)) Other forms of contractor selection (e) Role of tender and contract documents (f) Tendering procedures in accordance with Liaison Committee Documents.

#### (5) Specification

(a) Purpose and types of specification

#### (6) Post Contract Valuation of Work

(a) Valuations/Recommendations/Variations/Final Accounts (b) Prime Cost Sums and Provisional Sums

| Assessment Breakdown             | %      |
|----------------------------------|--------|
| Project                          | 40.00% |
| End of Module Formal Examination | 60.00% |

No Continuous Assessment

### Project

| Assessment Type | Assessment Description | Outcome addressed | % of total | Assessment Date |
|-----------------|------------------------|-------------------|------------|-----------------|
| Project         | n/a                    | 1                 | 20.00      | n/a             |
| Project         | n/a                    | 2                 | 20.00      | n/a             |

No Practical

### End of Module Formal Examination

| Assessment Type | Assessment Description | Outcome addressed | % of total | Assessment Date |
|-----------------|------------------------|-------------------|------------|-----------------|
| Formal Exam     | No Description         | 2,3,4             | 60.00      | End-of-Semester |

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

**Module Workload**

| <b>Workload: Full Time</b> |                       |  |
|----------------------------|-----------------------|--|
| <i>Workload Type</i>       | <i>Frequency</i>      | <i>Average Weekly<br/>Learner<br/>Workload</i> |
| Lecture                    | 12 Weeks<br>per Stage | 6.00   |
| Estimated Learner Hours    | 12 Weeks<br>per Stage | 4.42   |
| Total Hours                |                       | 125.00   |

**Module Delivered In**

| Programme Code | Programme  | Semester | Delivery  |
|----------------|--|----------|-----------|
| CW_CMHCE_B     | <a href="#">Bachelor of Engineering (Honours) in Civil Engineering</a> | 2        | Mandatory |
| CW_CMCIV_D     | <a href="#">Bachelor of Engineering in Civil Engineering</a>           | 4        | Mandatory |