

MODULE DESCRIPTOR

Module Title

Estimating and Cost Control within the Built Environment

Reference	SU3054	Version	1
Created	April 2023	SCQF Level	SCQF 9
Approved	June 2023	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To provide the student with the necessary skills and knowledge to estimate and price construction work activities and carry out effective post-contract commercial management of a construction project.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Assess the overall tendering process from initial inquiry to tender submission and assess and analyse routine methods of contractors estimating.
- 2 Demonstrate the techniques used by contractors in the estimating process to determine the cost implications of construction operations.
- 3 Demonstrate financial processes used to manage and control costs post contract.
- 4 Review the core contents of the module and relate these to application within the workplace.

Indicative Module Content

This module will provide the student with a working knowledge of the methods and techniques adopted for financial forecasting and control of a construction project from the tender stage through to completion.

Module Delivery

The module is delivered in Blended Learning mode using structured online learning materials/activities and directed study, facilitated by regular online tutor support. Workplace Mentor support and work-based learning activities will allow students to contextualise this learning to their own workplace. Face-to-face engagement occurs through annual induction sessions, employer work- site visits, and modular on-campus workshops.

Indicative Student Workload	Full Time	Part Time
Contact Hours	30	N/A
Non-Contact Hours	30	N/A
Placement/Work-Based Learning Experience [Notional] Hours	240	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>	300	

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type: Coursework Weighting: 100% Outcomes Assessed: 1, 2, 3, 4

Description: An individual piece of coursework incorporating a priced BQ and the preparation of post contract financial claim documentation.

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting of Component 1 (assignment). An overall minimum grade D is required to pass the module. Non-submission will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module None.

Corequisites for module None.

Precluded Modules None.

INDICATIVE BIBLIOGRAPHY

- | | |
|---|---|
| 1 | 1 Andrew Wostenholme; Never Waste a Good Crisis; Constructing Excellence (October 2009) |
| 2 | Brook, Martin; Estimating and tendering for Construction Work, 3rd edn. Elsevier - Butterworth Heinemann. |
| 3 | CIOB; Code of Estimating Practice. Blackwell Publishing; 7 Rev Ed edition (Nov 2008). |
| 4 | Greenhalgh, B, 2013, Introduction to Estimating for Construction, Routledge |
| 5 | Potts, K. and Ankrah, N. 2014. Construction cost management: learning from case studies. 2nd ed. Routledge: Oxon |
| 6 | Holm, L. 2019. Cost accounting and financial management for construction project managers. 1st ed. Routledge: Oxon. |
| 7 | Lu, W., Lai, C.C. and Tse, T. 2018. BIM and big data for construction cost management. 1St ed. Routledge: Oxon. |
| 8 | Ashworth, 2012. Contractual procedures in the construction industry. 6th ed. Routledge: Oxon |