

School of Built Environment and Geography
Department of Civil Engineering, Surveying and Construction
Management

Coursework Assessment Brief

Module Code	CE7731
Module Title	<i>Quantification and Costing of Construction Works</i>
Title of Assessment	<i>Preliminary Estimate Report</i>
Summative (% of module) or Formative	<i>Summative – this assignment is worth 15% of your module grade</i>
Typical individual student hours required to complete the assessment	15 Hours
Assessment set by (and contact)	Dr Gloria Ene, Room PRMB1042 G.Ene@kingston.ac.uk
Submission deadline (date and time)	14 th November 2025 23h59
Formal feedback	20 working days after each submission

Assessment task and specific terms

Outline Description

Your client wishes to develop a Greenfield site in Southampton to provide 2700 square metres (Gross Internal Floor Area) of office space. Outline design indicates that the office building will have five floors and total height is expected to be 20.5 metres. The Site Area (SA) earmarked for the project is 4047m² in total. External works will comprise fencing; roads, paths and pavings; landscaping; external fixtures; external drainage; external services; and site preparation works.

Your tasks are as follows:

Task 1: Produce a Building Works Estimate at Level 1 using the Floor Area Method using the cost analyses provided in the folder accompanying this assignment brief.

Task 2: Produce a Building Works Estimate at Level 2 for the project based on the drawings and information provided in the folder accompanying this assignment brief.

Task 3: Compare the element cost targets from the Level 1 with the Level 2 cost targets highlighting any significant differences.

Level 1 and Level 2 estimates must be current at the base date of estimate – Q4 2025.

Detailed Description

Task 1: The Building Works Estimate at Level 1 should be based on the cost analysis provided in the accompanying folder to this assignment brief. The Floor Area Method should be used. Specification level should be assumed to be similar to that of the cost analysis project provided. You are required to provide an elemental breakdown of the estimate is required.

Task 2: The Building Works Estimate at Level 2 should be based on the drawings and cost analysis provided. You are required to use the elemental method based on Table 2.2 of the NRM1 in producing the estimate.

Task 3: Differences in elemental cost targets for the Level 1 and Level 2 estimates should be highlighted. You are required to explain any significant differences and the adjustments you will need to make to ensure that overall project budget is not exceeded.

Note:

- The provisions of **RICS (2021) New Rules of Measurement 1 (NRM1)** apply
- *Make other necessary assumptions (with justification) to make your estimate meaningful and realistic*
- *Assume a traditional procurement route*
- *You may assume names for the participants*

Word Limit: No set word limit as the report is mostly quantitative in nature.

Research and referencing

You are expected to refer to the indicative bibliography of the module provided in the Module Descriptor and the additional bibliographic sources suggested in the module on CANVAS and in lecture notes. In addition, you must undertake your own appropriate further reading and research in relation to the matters addressed in this coursework brief. Evidence of independent reading and research will be rewarded. A **list of References must be presented** at the end of the report listing all bibliographic sources **cited** in the main report.

Module Learning Outcomes

The following module learning outcomes are tested in this assessment:

- (1) Develop practical knowledge and understanding of the principles, industry rules and conventions underpinning the measurement of construction works.
- (2) Demonstrate practical knowledge and understanding of the principles and methods applicable to pricing construction work throughout the construction process.
- (3) Produce accurate estimates of construction work at all stages of project development as the basis for financial management of construction projects.

Assessment Criteria

The assessment of your submission will be based on the following weighted assessment criteria as given below. Assessment criteria are reproduced in Canvas in a rubric.

Specific Criteria (marking scheme)	Marks available
Building Works Estimate: Level 1	
Quantification & Costing: Quantities and appropriate rates in accordance with NRM1.	30%
Building Works Estimate: Level 2	
Quantification: Dimensions and descriptions in accordance with NRM1 Table 2.2.	30%

Costing: Application of appropriate rates and accuracy of cost targets for each element.	25%
Cost Target Comparison	
Comparison of Level 1 and level 2 element cost targets with highlights of any significant differences.	10%
Research and Citations: excellence in the choice, breadth and integration of a range of academic and practitioner-based contemporary literature, perfectly cited and referenced in line with the Harvard style.	5%
Total	100%

Supporting information and your Generative AI declaration

(1) Academic Skills Support

For help and advice on this assessment please contact the assessment setter/s or the module leader. For advice on academic writing and referencing please contact the Faculty of Engineering, Computing and the Environment (ECE) [Academic Success Centre](#) (SASC). Trained staff and students will give you guidance and feedback on assessments. SASC can be contacted by email: SASC@kingston.ac.uk – see the SASC website for details of drop in sessions.

(2) Submission deadline and mitigating circumstances

All assignments must be submitted by the date and time specified above.

You are required to submit an electronic PDF or Word copy of your completed assignment via the Assignments section of Canvas and follow any specific instructions. Any change to this instruction will be advised via Canvas.

In line with University Regulations coursework submitted up to a week late will be capped at 40%. Coursework submitted after this time will receive 0%.

In case of illness or other issues affecting your studies please refer to the [University Mitigating Circumstances and Extensions Regulations](#). Please note that once you have submitted your work you have judged yourself fit to undertake the assessment and cannot usually claim mitigating circumstances retrospectively. Please refer to the Mitigating Circumstances Regulations for more information.

Guidance on avoiding academic assessment offences such as plagiarism and collusion can be found in the [Digital Learning and Tools](#) module on Canvas – see Academic Integrity.

(3) Generative AI and this assessment

3.1 Can I use Generative AI (GAI) as part of this Task?

Default use of GAI: you are permitted to use Generative AI for the following purposes:

- Support spelling, punctuation and grammar.
- Support ideation.
- Create a structure or outline for the assignment.

- Support research for the assignment (identifying sources, search).
- Take the role of a constructive critic.
- Aid understanding.
- Produce media artefacts to support the assignment where the artefacts are not the primary focus of the assessment.
- Perform basic image / media editing encompassing cropping, noise reduction, sharpening, enlarging, compression, changing format type and adjusting lighting.

Please note: all of the core writing, creativity, arguments, analysis and reasoning must be your own

For further details on this GAI Assessment category please see:

Student Guide to GAI at Kingston University 2025/6 in the [Digital Learning and Tools module in Canvas \(Generative AI section\)](#).

3.2 Do I need to declare my use of GAI tools?

Yes, if you use Generative AI for any part of your assessment, you must declare this. This applies to all assessments including those in the default and explicit categories.

For this assignment the declaration should be provided at the end of the submission with the heading 'Acknowledgement of GAI Contribution'. This declaration should include a statement on the use of generative AI including the extent of use, and how it was used as part of all stages in creating the final submission.

For assessments that fall into the explicit category (does not apply to the purposes listed in the Default category), any GAI content included in the assignment, e.g., a quoted paragraph of text or an image, should be properly cited as with any non-GAI source.

Further guidance on completing this acknowledgement is provided in the [Digital Learning and Tools module in Canvas \(Generative AI section\)](#).

You will also need to read and accept the similarity declaration when submitting an assignment in Canvas.