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Title: STRATEGIC CONSTRUCTION PROJECT MANAGEMENT  
Status: Definitive  
Code: **6619BESG** (125046)  
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment  
Teaching School/Faculty: Trent Global College of Technology and Management

Team	Leader
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**Academic Level:** FHEQ6      **Credit Value:** 20      **Total Delivered Hours:** 40  
**Total Learning Hours:** 200      **Private Study:** 160

### Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	14
Seminar	6
Workshop	20

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Based on a Real Project	60	
Report	AS2	Contractual Aspects linked to the Project	40	

### Aims

*To enable students to work on realistic projects that enables the integration and*

*development of a range of professional skills considering aspects of refurbishment and contractual arrangements.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Critically evaluate alternative technological solutions with regard to problems recognised at the early stages of a project.
- 2 Critically appraise procurement processes and contractual situations within a given project scenario.
- 3 Apply construction management and technology solutions to a refurbishment project.
- 4 Produce a range of project documentation to a professional standard.

## **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

Scenario Based	1	2	3	4
Based around Case Study	1	2	3	4

## **Outline Syllabus**

*Key issues and challenges - dealing with waste, dealing with asbestos, health and safety in refurbishment work, programming the works, controlling costs, dealing with unknowns, contractual issues, preconstruction issues such as survey/laser scanning, demolition and the design process.*

*Procurement processes*

*Construction contract including application and implications on a construction project*  
*Sustainable development*

*Technologies – thermal insulation upgrading and retrofitting. Over-cladding and over-roofing. Energy efficient glazing. Exploiting thermal mass. Structural repairs to concrete, timber and masonry. Underpinning.*

*Design implications of technologies on listed buildings such as secondary glazing to improve thermal properties and acoustics.*

## **Learning Activities**

Lectures, Workshops, Case Studies, Industry Speakers, discussion through seminars

## **Notes**

This module allows students to work on realistic projects and consider the application of a range of professional skills including aspects of refurbishment and

contractual arrangements.