

## MODULE DESCRIPTOR

### Module Title

Sustainable Construction Practice

Reference	SU2065	Version	2
Created	July 2021	SCQF Level	SCQF 8
Approved	October 2020	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

### Aims of Module

To introduce the student to the concepts and value of sustainable practice in construction/ infrastructure and to understand how this can be influenced by built environment professionals.

### Learning Outcomes for Module

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

- 1 Identify and explain concepts of sustainable practice within the built environment
- 2 Critically appraise the effect of sustainable practice on constructed environment policy, procurement and supply chains
- 3 Evaluate the influence and impact of emerging technologies and principles on sustainable practice

### Indicative Module Content

Value of sustainable practice in the built environment; Cost and value of sustainable practice; Sustainable procurement; Efficient construction practice; Embedding sustainability in decision making; Tracking sustainability in the supply chain; ISO 20400 sustainable procurement; Supply chain transparency; Creating value through sustainability; Using technology to improve sustainable practice; Certification of sustainable practice UN sustainable development agenda; Corporate social responsibility; Sustainable value management

### Module Delivery

This module will be delivered via a blend of lectures, workshops and tutorials. Where appropriate, practicing practitioners will assist with the delivery of teaching.

Module Ref:

SU2065 v2

**Indicative Student Workload**

Contact Hours

Full Time

30

Part Time

N/A

Non-Contact Hours

120

N/A

Placement/Work-Based Learning Experience [Notional] Hours

N/A

N/A

TOTAL

150

N/A

*Actual Placement hours for professional, statutory or regulatory body***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

Description:

This module will be assessed via one piece of project work that includes an element of collaborative team working.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

The overall module grade is based on 100% weighting of Component 1 (Project Work). 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 Halliday, S. 2019. Sustainable construction. 2nd ed. Routledge: Abingdon.
- 2 Tam, V.W.Y. and Le, K.N. 2019. Sustainable construction technologies : life-cycle assessment (ed). Butterworth-Heinemann; Oxford.
- 3 Kuba, S. 2017. Handbook of green building design and construction : LEED, BREEAM, and Green Globes. Butterworth-Heinemann: Oxford.
- 4 Cotgrave, A. 2013. Total sustainability in the built environment. Palgrave Macmillan: Basingstoke.
- 5 Berry, C. 2011. The sustainable procurement guide : procuring sustainably using BS 8903. BSi: London.