MODULE DESCRIPTOR

Module Title

Advanced Construction Technology

Reference	SU4035	Version	8
Created	July 2021	SCQF Level	SCQF 10
Approved	August 2009	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

Aims of Module

To provide the student with the ability to synthesise and evaluate contemporary Civil and Construction Technology.

Learning Outcomes for Module

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

1	Compare and contrast Civil Engineering technology associated with infrastructure projects.
2	Identify the various methods of renovation/demolition relating to existing buildings.
3	Analyse and synthesise the construction of complex foundation systems and enclosure options for structures.

Indicative Module Content

Introduce and appraise Civil and Construction Engineering technology. Assess the methods available which ensure safe renovation/demolition of buildings. Examine and assess the methods available for excavating and forming contemporary constructional forms.

Module Delivery

This module is delivered using mini lectures followed by student centred tasks.

Indicative Student Workload	Full Time	Part Time
Contact Hours	40	N/A
Non-Contact Hours	110	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		

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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:	A research log will be compiled of selected technology tasks undertaken, knowledge gained and conclusions clearly documented.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting of Component 1 (Research Log). 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, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

ADDITIONAL NOTES

Where appropriate, mixed team working will be encouraged.

INDICATIVE BIBLIOGRAPHY

1	Riley. M.,Cotgrave. A., 2013 Construction Technology 2. Industrial and Commercial Buildings 3rd edition. Palgrove Macmillan
2	WWW.palgrove.com/science/engineering/riley/photos/Index.html.
3	Emmit., Stephen., Gorse., Christopher., 2010 2nd edition. Barry's Advanced Construction Building. Blackwell Publishing
4	www building design wiki