MODULE DESCRIPTOR

Module Title

Management of Design and Construction

Reference	SU3050	Version	5
Created	February 2024	SCQF Level	SCQF 9
Approved	July 2018	SCQF Points	30
Amended	March 2024	ECTS Points	15

Aims of Module

To equip students with the facility to develop creative and effective techniques for managing the effective delivery of design and construction projects relating to the built environment.

Learning Outcomes for Module

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

1	Assess critically the management of design and construction in historical and contemporary contexts.
2	Discuss the application of innovative management solutions for realising project objectives through linking design with construction.
3	Explain the performance and productivity issues to propose viable solutions via applying related computer skills in BIM 3D modelling.
4	Assess the standards for project health, safety, welfare, environment and quality management.
5	Examine the core contents of the module and compare their application to current practices within the work highlighting suitability, effectiveness and efficiencies.

Indicative Module Content

The module will investigate traditional, contemporary and innovative models for managing design and construction relating to built environment. Students will initiate and develop research based projects which demonstrate an understanding of the contexts within which design and production management operates. The use of IT is central to investigating and problem solving design and construction management scenarios. performance and productivity management, waste control, and lean construction. collaborative working, social value and environmental impact.

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.

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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
Actual Placement hours for professional, statutory or regulatory body	240	

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, 5
Description:	An integrated assignment consisting of illustrated written work to demonstrate understanding and application of the module learning outcomes and reflecting on the learning development throughout the module weeks that involves theory and practice.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting of Component 1 (portfolio). 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.

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INDICATIVE BIBLIOGRAPHY

1	Oke, Ayodeji E. and Aigbavboa, C., (2017). Sustainable value management for construction projects. Cham, Switzerland: Springer.
2	Sherratt, F., (2015). Introduction to construction management. Hoboken : Taylor and Franc
3	Sears, S. K. et. al., (2015). Construction project management: a practical guide to field construction management. Sixth edition, Hoboken, New Jersey: Wiley
4	CIOB, (2014). Code of Practice for project Management for consturction and development. fifth edition, Wiley Balckwell
5	WINCH, G., 2010. Construction Projects. 2nd ed. Managing Wiley-Blackwell.