

MODULE DESCRIPTOR

Module Title

Building Design and its Determinants

Reference	SU1051	Version	3
Created	April 2023	SCQF Level	SCQF 7
Approved	July 2018	SCQF Points	30
Amended	June 2023	ECTS Points	15

Aims of Module

To provide the student with an understanding of the processes involved in building design, and the range of drivers, determinants and variables that influence design solutions.

Learning Outcomes for Module

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

- 1 Define how construction design solutions vary in different contexts.
- 2 Identify the impact of different design solutions and construction methods on cost and programme.
- 3 Relate alternative construction details in relation to functional elements of the design.
- 4 Recognise the key principles of sustainable design.
- 5 Recognise the core contents of the module and relate to their application within the work place

Indicative Module Content

Building typologies, construction methods, process performance, construction sustainability, social impact and value, environmental considerations

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.

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
<i>Actual Placement hours for professional, statutory or regulatory body</i>	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 (assignment). 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 CHING, F., 2020. Building Construction Illustrated. 6th ed. New Jersey: John Wiley & Sons.
- 2 Loftness, Vivian (2020) Sustainable built environments : a volume in the encyclopaedia of Sustainability Science and Technology, second edition, Springer E book collection
- 3 Wang, X., Ramakrishnan, S.,(2021). Environmental sustainability in building design and construction Publisher: Springer