MODULE DESCRIPTOR

Module Title

Sustainable Development

Reference	SUM304	Version	5
Created	April 2023	SCQF Level	SCQF 11
Approved	June 2012	SCQF Points	15
Amended	June 2023	ECTS Points	7.5

Aims of Module

To construct an understanding of sustainable development and the challenges associated with developing and enhancing the built environment with responsibility to the local and global environment, society and communities.

Learning Outcomes for Module

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

1	Synthesise the principles of sustainable development within the context of the built environment and responsible design in a holistic way.
2	Evaluate the challenges involved in the design, development and maintenance of built assets which is responsive to the needs of communities, society and the environment.
3	Appraise the policy requirements, global agreements and legal frameworks associated with sustainable development.

Indicative Module Content

Introduction to the terms and concepts of sustainability. A selection of factors affecting human settlement, climate, microclimate, topography, infrastructure. Buildings in time and place, urban and rural contexts. Human factors such as health, social interaction and comfort. Resource and energy conservation, waste management, environmental and social impact, and net zero carbon.

Module Delivery

Module is taught via 2 modes: Taught Mode (T) The module is delivered in taught mode by lectures, interactive workshops, case study tutorials and directed self-study. Blended Learning Mode. The delivery is based upon self-directed learning from web-based materials and backed by online workshops, online chat sessions and case studies. Access to online support will be available.

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Indicative Student Workload	Full Time	Part Time
Contact Hours	36	36
Non-Contact Hours	114	114
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
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:	An individual written piece of work.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

This module has a single assessment and a Grade D is required to pass the module.

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.

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INDICATIVE BIBLIOGRAPHY

1	Judit, K et al., 2021, Energy, People, Buildings, Making sustainable architecture work. RIBA.
2	Halliday, S., 2019. Sustainable construction, Routledge.
3	Al-Sallal, K., 2020. Low energy low carbon architecture: recent advances & future directions, 2020, CRC Press, Florida.
4	Wang, H., 2019. Climate Change and Clean Energy Management: Challenges and Growth Strategies, Routledge, London.
5	Lim, C. J., 2019. Smart cities, resilient landscapes and eco-warriors, Routledge, London.
6	Yudina, A., 2017. Garden city : Supergreen buildings, urban skyscapes and the new planted space, Thames & Hudson, London.
7	Dixon, T, et al., 2018. Sustainable Futures in the Built Environment to 2050: A Foresight Approach to Construction and Development, Wiley-Blackwell.