ROBERT GORDON UNIVERSITY ABERDEEN

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MODULE DESCRIPTOR

Module Title

Sustainable Development

Reference	SUM304	Version	4
Created	August 2021	SCQF Level	SCQF 11
Approved	June 2012	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

Aims of Module

To provide an overview and critical understanding of the issues and challenges involved in 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	Critically evaluate the principles and issues involved in the maintenance, development and design of the built environment, which is responsive to the needs of communities, society and the environment.
2	Critically evaluate people and environment responsible design in a holistic and integrated way.

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. Online Distance Learning mode (ODL), The delivery is based upon self-directed learning from web-based materials and backed by online workshops, moderated online chat sessions and case studies. Access to online support will be available.

Indicative Student Workload

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:	40%	Outcomes Assessed:	1

Description: Normally a longitudinal assessment involving topic discussion forums for distance learning students or group work for full time students (20%) and a group presentation (20%).

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 60% weighting of Component 2 (coursework Y axis) and 40% weighting of Component 1 (coursework X axis). In order to pass the module students must achieve a grade D or greater in each component and a grade D or greater overall. Non-submission of either component will result in an NS grade.

Coursework:

		A	B	C	D	E	F	NS
Coursework:	A	A	A	B	B	E	E	
	B	B	B	B	C	E	E	
	C	B	C	C	C	E	E	
	D	C	C	D	D	E	E	
	E	E	E	E	E	E	F	
	F	E	E	E	F	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.

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.