MODULE DESCRIPTOR

Module Title

Built Heritage and Digitisation

Reference	SU3500	Version	1
Created	August 2023	SCQF Level	SCQF 9
Approved	January 2024	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To provide the student with the ability to understand issues influencing built heritage conservation, and to develop a critical approach towards the application of conservation and intervention techniques. To develop an understanding of the adoption of digitization and how this can be adopted in the context of built heritage for asset management.

Learning Outcomes for Module

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

1	Review the meaning of and terminology around conservation in the built environment.
2	Make judgements on the criteria influencing the conservation of selected structures or sites so as to record and present information pertinent to the conservation of selected structure or sites, using a range of digitisation techniques.
3	Formulate conservation strategies appropriate to selected structures or sites, based on the issues, criteria and information identified.
4	Explain the need to utilize digitization in the care, maintenance, and future strategies of existing and historic buildings appropriately.

Indicative Module Content

This module will explore all key areas of built heritage conservation commencing with the meaning of conservation in the built environment; current guidelines; relevant case studies; assessment of heritage value; recording and measurement of the historic built environment (use of 3D HD laser scanning, site specific data gathering); urban design implications of building conservation relevant to conservation will be investigated. The issues around asset management of existing and historic buildings will be understood and how they can influence future strategies for conservation.

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Module Delivery

The module is delivered using a blend of lectures workshops and tutorials. The delivery of this module will be supported through case studies, research, group activities and discussion forums. A substantial part of the module is devoted to student centred learning, computer exercises where necessary and private study. Directed reading to relevant heritage journals, core texts and resource material is expected. Presentations will be used to discuss work completed to staff typically in a Poster format or digitally.

Indicative Student Workload	Full Time	Part Time
Contact Hours	77	N/A
Non-Contact Hours	223	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
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, 4
Description:	Project based coursework based on individual work that involves an investigation of a selected case, structure or site. This is presented within a conservation plan, which should describe a systematic approach to the conservation of the case study and the adoption of digital approaches to heritage.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting (Coursework). 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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ADDITIONAL NOTES

Where appropriate mixed discipline team working will be encouraged in the formative stages.

INDICATIVE BIBLIOGRAPHY

1	Fielden, B (2003) Conservation of Historic Buildings, Architectural Press, 3rd Ed
2	Seeley I H, Building Maintenance, MacMillan Educational Ltd, London. (1991)
3	Historic Environment Scotland (2002) Digital documentation, computer vision and machine learning for masonry surveying and maintenance : Technical Paper 38. Historic Environment Scotland
4	Students will be expected to draw material from key sources in the field of study, to include Journal of Architectural Conservation and Historic Scotlands research and guidance publications and "Technical Advice Notes".