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MODULE DESCRIPTOR

Module Title

Visualisation in Architecture and the Built Environment

Reference	ACM014	Version	4
Created	April 2018	SCQF Level	SCQF 11
Approved	June 2014	SCQF Points	15
Amended	July 2018	ECTS Points	7.5

Aims of Module

To provide the student with the ability to critically assess a range of visualisation techniques in the context of architecture and the built environment.

Learning Outcomes for Module

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

- 1 Compare and contrast the ways in which visualisation can be used as a tool at all stages of the building life span, from design inception through the life cycle.
- 2 Evaluate the usefulness of visualisation techniques as a central part of improved working practice and decision-making.
- 3 Demonstrate how visualisation techniques can be applied within design and user engagement.

Indicative Module Content

Visualisation; Introduction to information visualisation; BIM overview (drivers, rather than software or techniques); Selected case studies from industry; Key pieces of current research; communication, collaboration; Computer mediated user engagement; Visualisation within design; Visualisation within planning.

Module Delivery

The module is available for delivery through both face to face and distance-learning modes via the Virtual Campus. Access to staff support will be available, either face to face or through online forums. The delivery of this module will be supported through case studies, group activities and discussion forums.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	30	N/A
Non-Contact Hours	120	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

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: Component 1 will provide students with a programme of developmental activities applied to module content as preparation for Component 2.

Component 2

Type: Coursework Weighting: 60% Outcomes Assessed: 2, 3

Description: Component 2 will be typically an individual piece of work in the form of a project or report.

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

In order to pass the module students must achieve 40% or greater.

Module Grade	Minimum Requirements to achieve Module Grade:
A	70% or better
B	60% or better
C	50% or better
D	40% or better
E	35% or better
F	Less than 35%
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 Journals including 'Automation in Construction', 'Design Studies', and 'Landscape and Urban Planning' and 'Environment and Planning B'.
- 2 MAHDJOUBI, L., MOOBELA, C. and LAING, R., 2013. Providing real-estate services through the integration of 3D laser scanning and building information modelling. Computers in Industry. 64(9), pp. 1272-1281.
- 3 Directed literature regarding participation in design and city planning.
- 4 Directed literature regarding design team collaboration.
- 5 EASTMAN, C.M., 2011. BIM handbook, Wiley (available online)