

## MODULE DESCRIPTOR

### Module Title

Building Information Modelling: Application in Asset Management

Reference	ACM021	Version	1
Created	May 2018	SCQF Level	SCQF 11
Approved	April 2018	SCQF Points	15
Amended		ECTS Points	7.5

### Aims of Module

To develop a professional working understanding of building information modelling management (BIMM) and its implications for the built environment across the project delivery and asset management stages.

### Learning Outcomes for Module

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

- 1 Define asset management in the context of the built environment.
- 2 Discuss the management skills involved in asset management, the stages of asset management implementation, outsourcing and space utilisation issues.
- 3 Demonstrate a critical understanding of the utilisation of BIMM during the project delivery and asset management stages including relevant legislation.
- 4 Apply BIMM as a vehicle to manage activity during the asset management stage including data management.

### Indicative Module Content

Human influences, economic influences, effects on business, organisational structures, FM strategies, benefit analysis, occupancy evaluation, outsourcing, data management, COBie, data security, BIMFM.

### Module Delivery

The module is available for delivery by distance-learning via CampusMoodle. Access to staff support will be available 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	N/A	70
Non-Contact Hours	N/A	80
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	N/A	150
<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, 2
Description:	Normally a longitudinal assessment involving topic discussion forums (20%) and a group presentation (20%).				

**Component 2**

Type:	Coursework	Weighting:	60%	Outcomes Assessed:	3, 4
Description:	An individual written piece of work.				

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

In order to pass this module students must achieve 40% or greater in each component.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	70% or greater
<b>B</b>	60% or greater
<b>C</b>	50% or greater
<b>D</b>	40% or greater
<b>E</b>	35% or greater
<b>F</b>	Less than 35%
<b>NS</b>	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, to include Design Studies, ITCon, Automation in Construction, professional journals, including those from the RICS, RIBA and CIAT.
- 2 Shiem-Shim, DT., Hee TT. (2013) Facilities Management and the Business of Managing Assets, Routledge, Abingdon, Oxon
- 3 Teicholy, Paul M., (2013) BIM for Facilities Managers, Wiley
- 4 Teicholz, Paul M. BIM for facility managers, editor of compilation.; International Facility Management Association.; IFMA Foundation, 2013.