

<b>Module Title</b>	Reference SU4014
<b>Performance Evaluation</b>	SCQF SCQF
	Level 10
	SCQF Points 15
	ECTS Points 7.5
<b>Keywords</b>	Created May 2002
Design, Building Functional Performance, Data	Approved July 2002
Evaluation, Design Methodology	Amended August 2009
	Version No. 4

## This Version is No Longer Current

The latest version of this module is available [here](#)

### Prerequisites for Module

None.

### Corequisite Modules

None.

### Precluded Modules

None.

### Aims of Module

To provide the student with the ability to formulate strategies and solutions, which address the interaction between the functional requirements of buildings and the factors which shape their design, development and realisation.

### Learning Outcomes for Module

### Indicative Student Workload

	Full Time	Part Time
<i>Contact Hours</i>		
Assessment	10	10
Lectures	12	12
Practical Work	24	24
Tutorials	12	12

### *Directed Study*

Directed Study	62	62
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### *Private Study*

Private Study	30	30
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### Mode of Delivery

This is a module predominantly involving lectures, tutorial and practical work, which may include field and studio work. Directed study to performance related core texts and resource material will be encouraged.

### Assessment Plan

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

1. Evaluate the application of techniques for predicting the functional performance of buildings during the design process.
2. Develop strategies for integrating performance evaluation techniques into the design process.
3. Critically analyse and evaluate the effectiveness of building design solutions in terms of attaining planned objectives for functional performance.

### **Indicative Module Content**

This module is based on the identification, analysis and resolution of design issues relating to the functional performance of buildings; Case study analysis of functional performance indicators for building design; Formulation of strategies for incorporating client and user imperatives into the design process; Development of a design brief, which involves the identification and resolution of complex functional issues relating to building performance; Data gathering, analysis and formulation of design solutions; Representation and justification

	Learning Outcomes Assessed
Component 1	1,2
Component 2	2,3

Component 2: Assessed by coursework (60%) consisting of one component which is continuously assessed, normally in the form of an investigative report relating to Building Performance, with accompanying presentation to staff and peers.

Component 1: Assessed by one supervised assessment (40%)

### **Indicative Bibliography**

1. Cook, M., 2007. The Design Quality Manual: Improving Building Performance. Wiley-Blackwell
2. Mallory-Hill, S, Preiser, W P E and Watson, C G (2012) Enhancing building performance. London: Wiley Blackwell
3. McMullan, R., 2012. Environmental Science in Building. 7th edition. Palgrave Macmillan, Basingstoke.

of design methodology and  
solutions in a simulated  
professional context.