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| Module Title | Reference SU4014 |
| Performance Evaluation | SCQF SCQF |
| | Level 10 |
| | SCQF Points 15 |
| | ECTS Points 7.5 |
| Keywords | Created May 2002 |
| Design, Building Functional Performance, Data | Approved July 2002 |
| Evaluation, Design Methodology | Amended February 2014 |
| | Version No. 6 |

This Version is No Longer Current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

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| <i>Contact Hours</i> | Full Time |
| Assessment | 10 |
| Lectures | 10 |
| Practical Work | 20 |

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| <i>Directed Study</i> | |
| Directed Study | 62 |

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| <i>Private Study</i> | |
| Private Study | 48 |

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;

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

Assessed by a formal coursework.

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.

Representation and justification
of design methodology and
solutions in a simulated
professional context.