# Don't download directly from image, use link aboveCI9.S.1.1 Systems Analysis of Advanced M & E Issues

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| **Course leader:** | Professor David Fisk |
| **Other contributors:** | Professor Washington Ochieng, Dr Nick Leon, Dr Angeloudis Panagiotis, Dr Ned Ekins-Daukes & Dr James Keirstead |
| **Pre or co-requisites:** |  |
| **Term:** | Autumn |
| **Contact hours**: | 25 |

## 1.0 Aims

This module aims to provoke an ‘out-of-the-box’ approach to analysing emerging technologies in M & E engineering contexts, through stimulating new applications likely to be used in industry in the next few years.

# 2.0 Syllabus

* Whole system design with exergy analysis
* Survey Data acquisition into data systems with GPS
* Optimal systems approach to logistics planning
* Visualisation techniques in system design and project planning
* Managing systems clash

## 3.0 Intended learning outcomes

On successfully completing this module, students will be able to:

* Show confidence in analysing unfamiliar technologies proactively
* Show proficiency in exergy analysis as a services systems analysis tool
* Apply hands-on familiarity with logistics systems optimisation tools
* Identify experience of Site Surveying with GPS systems
* Practice experimentation with 3D visualisation and prototyping technology

## 4.0 Assessment

* Assessment of this module is in the form of progress tests usually given as in class group work and individual follow-up assignments.