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| <b>Module Title</b><br><b>Surveying Methods</b><br><br><b>Keywords</b><br>Land Surveying and building surveys | Reference SU1005<br>SCQF Level SCQF 7<br>SCQF Points 15<br>ECTS Points 7.5<br>Created May 2002<br>Approved August 2002<br>Amended July 2011<br>Version No. 6 |
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## This Version is No Longer Current

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

### Prerequisites for Module

None, in addition to course entry requirements.

### Corequisite Modules

None.

### Precluded Modules

None.

### Aims of Module

To provide an introduction to and an understanding of the principles and procedures used in surveying.

### Learning Outcomes for Module

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

### Mode of Delivery

This module is extensively based upon student centred research and practical surveying problem solving activities. There will be "mini" lectures followed by student centred learning tasks involving both individual and team working.

### Assessment Plan

|             | Learning Outcomes Assessed |
|-------------|----------------------------|
| Component 1 | 1,2,3                      |
| Component 2 | 4                          |

Component 2: Learning outcome 4 will be assessed by an individual exercise by producing a small measured build survey.

Component 1: Learning outcomes 1,2 and 3 are assessed by

to:

- 1.Explain the basic surveying terms used in current practice for land surveying.
- 2.Undertake a small linear survey,including contour determination.
- 3.Solve practical levelling exercises,which results in accurate area and volume calculation.
- 4.Record building survey data and produce a scaled drawing.

### **Indicative Module Content**

The module introduces students to the principles and practice of land surveying and measured building surveys. It includes basic mathematical skills of geometry and trigonometry taught in the context of area and volume calculations.

### **Indicative Student Workload**

| <i>Contact Hours</i> | Full Time |
|----------------------|-----------|
| Assessment           | 10        |
| Lectures             | 8         |
| Practical Work       | 20        |
| Tutorials            | 0         |
| Workshops            | 0         |

#### *Directed Study*

|                        |    |
|------------------------|----|
| Coursework preparation | 50 |
|------------------------|----|

#### *Private Study*

undertaking monitored practical land surveying exercises.

### **Indicative Bibliography**

- 1.Irvine, W. 2006. Surveying for Construction.5th Edition.London. McGraw Hill.
- 2.[www.ordancesurvey.co.uk](http://www.ordancesurvey.co.uk)
- 3.Bannister, A.,1998. Surveying 7th Ed. Pearson Education Limited.

### **Additional Notes**

Where appropriate, mixed discipline team working will be encouraged.

