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MODULE DESCRIPTOR

Module Title

Surveying Methods

Reference	SU1005	Version	9
Created	July 2021	SCQF Level	SCQF 7
Approved	August 2002	SCQF Points	15
Amended	June 2022	ECTS Points	7.5

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 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.

Module 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.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	38	N/A
Non-Contact Hours	112	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<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:	70%	Outcomes Assessed:	1, 2, 3
Description:	The coursework will be a practical relating to a small linear survey to include a scale plot with a grid of levels and contours.				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

The overall module grade is based on 70% weighting of Component 1 (coursework Y axis) and 30% weighting of Component 2 (coursework X axis). An overall minimum grade D is required to pass the module. Non-submission of either component will result in an NS grade.

		Coursework:						
		A	B	C	D	E	F	NS
Practical Exam:	A	A	A	B	B	B	E	
	B	B	B	B	C	C	E	
	C	B	C	C	C	D	E	
	D	C	C	D	D	D	E	
	E	D	D	D	E	E	E	
	F	E	E	E	E	F	F	
	NS	Non-submission of work by published deadline or non-attendance for examination						

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

ADDITIONAL NOTES

Where appropriate, mixed discipline team working will be encouraged.

INDICATIVE BIBLIOGRAPHY

- Irvine, W. 2006. Surveying for Construction. 5th Edition. London. McGraw Hill.
- www.ordancesurvey.co.uk
- Bannister, A., 1998. Surveying 7th Ed. Pearson Education Limited.