MODULE DESCRIPTOR

Module Title

Communication and Digitisation in the Profession

Reference	SU1501	Version	2
Created	March 2024	SCQF Level	SCQF 7
Approved	January 2024	SCQF Points	30
Amended	July 2024	ECTS Points	15

Aims of Module

To provide the student with the ability to apply effective communication in a built environment context. The student will understand the survey requirements of land and building survey. The student is to acquire the necessary knowledge around the industry standard digitisation tools and how to apply them in a professional manner.

Learning Outcomes for Module

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

1	Carry out the work flow in the built environment from surveying to digital communication.
2	Exercise the skills to perform a small linear survey, including contour determination as well as to record building survey data and a scaled drawing to industry standards.
3	Present their work using the latest software programs to promote understanding of drawing and communication skills in the construction industry using discipline specific software.
4	Reproduce the developed communication skills in visualisation and associated tools to a professional standard.

Indicative Module Content

The module will introduce the student to the current industry standard tools used for surveying and communication in the profession. This module will require students to acquire, practice and apply communication skills. The students will be required to produce output in the form of graphical and written communication relevant to their disciplines which will involve the use of information and communication technology. The module will develop awareness of and understanding in the digital application of the current and future use of various technologies to communicate such as laser scanning. 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. The module will develop knowledge around the various ways the industry will measure, survey, develop drawings and communicate through drawings both currently and in the future.

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Module Delivery

This is a module predominantly involving practical work in relation to a project supported by lectures, practical workshops, directed student research and online activities, and where appropriate site visits. Separate tutorials will be run in some weeks to explore discipline specific digital tools (spreadsheet and word processing software for Quantity Surveying students and design and graphic software for Architectural Technology students) in depth. Directed study to core texts and resource material will be encouraged.

Indicative Student Workload	Full Time	Part Time
Contact Hours	110	N/A
Non-Contact Hours	190	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	Ongoing project based work throughout the module will feed into the coursework that is submitted as a portfolio.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting (Coursework). An overall minimum grade D is required to pass the module. Non-submission will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
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.

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INDICATIVE BIBLIOGRAPHY

1	Ching, F (2015) Architectural Graphics. Hoboken : John Wiley & Sons
2	Onstott, S. ,2011. Enhancing architectural drawings and models with Photoshop.[electronic resource]:Hoboken, N.J.: Wiley ; Chichester : John Wiley [distributor]
3	Wakita O.A.; Bakhoum N. R.; Linde R. M. 2011. The professional practice of architectural working drawings [electronic resource]. Hoboken : Wiley.
4	Hetreed, etal (2017) Architects Pocket Handbook (Routledge)
5	Kronthaler, F. 2023. Statistics Applied With Excel Data Analysis Is (Not) an Art. Springer.
6	Cartlidge, D. 2022. Quantity Surveyor's Pocket Book. 4th ed. Routledge.