

**This Version is No Longer Current**  
The latest version of this module is available [here](#)

## MODULE DESCRIPTOR

### Module Title

Professional Skills

Reference	EN1600	Version	9
Created	March 2023	SCQF Level	SCQF 7
Approved	March 2004	SCQF Points	15
Amended	August 2023	ECTS Points	7.5

### Aims of Module

To develop and apply skills in engineering workshop practice, engineering applications, communication, reflective writing and professional development.

### Learning Outcomes for Module

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

- 1 Demonstrate understanding and proficiency in completing a systems-based engineering build project using practical laboratory skills and engineering drawing practice.
- 2 Comment on appropriate materials, equipment, engineering technologies and processes used.
- 3 Discuss the environmental and societal impact of the build project and their solutions.
- 4 Incorporate an assessment of ethical issues that are relevant to the build project.
- 5 Reflect on skills and attributes developed through academic study and work experience using appropriate format.

### Indicative Module Content

Engineering Skills: Maintain an engineering reflective logbook of evidence demonstrating competence and understanding of skills in the following areas; manufacture, assembly and testing of an electro-mechanical product utilising sheet metal manufacture, hand and machine tools, PCB population, soldering, inter-wiring, workshop safety, and engineering drawing showing understanding of basic principles of projection systems, sectioning and assembly.

### Module Delivery

This module comprises a mixed delivery of guided lessons and practical work. Students will be taught engineering application skills and reflective writing skills. Delivery will be in a workshop and classroom environment.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	60	N/A
Non-Contact Hours	90	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:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Portfolio of evidence.				

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

Component 1 comprises 100% of module grade. To pass the module, a D grade is required.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A
<b>B</b>	B
<b>C</b>	C
<b>D</b>	D
<b>E</b>	E
<b>F</b>	F
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 British Standard BS 8888:2017 - Technical product documentation and specification.
- 2 Manuals and other technical literature will be made available on loan as appropriate.