

MODULE DESCRIPTOR

Module Title

Professional Skills

Reference	EN1600	Version	8
Created	December 2021	SCQF Level	SCQF 7
Approved	March 2004	SCQF Points	15
Amended	August 2022	ECTS Points	7.5

Aims of Module

To develop and apply skills in engineering workshop practice, engineering applications, communication, academic 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 applying workshop and laboratory skills to complete an engineering build project.
- 2 Show awareness of the fundamentals of engineering drawing practice.
- 3 Evidence competency in producing a technical logbook.
- 4 Apply appropriate skills in preparing and delivering effective written communication.

Indicative Module Content

Engineering Skills: Maintain an engineering 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; engineering drawing showing understanding of basic principles of projection systems, sectioning and assembly. Communications skills: Report writing and communication.

Module Delivery

This module comprises a mixed delivery of guided lessons and practical work. Students will be taught engineering application skills and communication skills. There will be a requirement to work both independently and in groups 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			
<i>If a major/minor model is used and box is ticked, % weightings below are indicative only.</i>			
Component 1			
Type:	Coursework	Weighting:	70%
Description:	Logbook.		
		Outcomes Assessed:	1, 2, 3
Component 2			
Type:	Coursework	Weighting:	30%
Description:	Report.		
		Outcomes Assessed:	4

MODULE PERFORMANCE DESCRIPTOR								
Explanatory Text								
The module has 2 components and to gain an overall pass a minimum D grade must be achieved in each component. The component weighting is as follows: C1 is worth 70% (x-axis) and C2 is worth 30% (y-axis).								
		Coursework:						
		A	B	C	D	E	F	NS
Coursework:	A	A	B	B	C	E	F	
	B	A	B	C	C	E	F	
	C	B	B	C	D	E	F	
	D	B	C	C	D	E	F	
	E	E	E	E	E	E	F	
	F	F	F	F	F	F	F	
	NS	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.