

## MODULE DESCRIPTION FORM

### DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

## 16288 PROFESSIONAL STUDIES

<b>Module Registrar:</b> Dr S Manoli <a href="mailto:stella.manoli@strath.ac.uk">stella.manoli@strath.ac.uk</a>	<b>Taught To (Course):</b> Cohorts for whom class is compulsory / optional		
<b>Other Lecturers Involved:</b> Emeritus Professor Jim Boyle; Careers Service;	<b>Credit Weighting:</b> 10 (ECTS 5)	<b>Semester:</b> 2	
<b>Assumed Prerequisites:</b> None	<b>Compulsory/ optional class</b>	<b>Academic Level:</b> 2	<b>Suitable for Exchange:</b> Y

### Module Format and Delivery (HOURS i.e. 1 credit = 10hrs of study):

Lecture	Tutorial	Laboratory	Groupwork	External	Online	Project	Assignments	Private Study	Total
12			30		18		10	30	100

### Educational Aim

This module aims to create awareness of and develop some of the skills expected in graduate professional engineers. These include development of communication skills (both oral and written), but also issues such as ethics, societal impact and future trends.

### Learning Outcomes

On completion of the module the student is expected to be able to have:

- LO1 An awareness of the personal skills which need to be developed by a professional, accredited engineer.
- LO2 An awareness of the role of the engineer in society
- LO3 Further developed group working skills in a new environment

### Syllabus

The module will teach the following:

Communication skills: written and oral.  
 Group working skills.  
 Professional conduct, ethics and the legal aspects of professional responsibility.  
 Personal Marketing - successful CVs and Applications for internships and jobs.  
 Introduction to psychometric testing criteria and interpretation.  
 Engineering ethics.  
 Societal and contemporary issues.  
 The importance of engineering codes and standards.

### Assessment of Learning Outcomes

#### Criteria

For each of the Module Learning Outcomes the following criteria will be used to make judgements on student learning:

#### LO1

C1 Understanding of necessary personal skills. Demonstrated through a self-assessment and preparation of a curriculum-vitae, identifying areas where skills are well developed or require more training.

C2 Understanding of the key skills required by a professional engineer and the necessity for a professional development plan, focusing on areas that require development throughout the engineer's career.

**LO2 & LO3**

C1 Successful group work. Ability to contribute to the progress of the group as demonstrated in the submission of a comprehensive group report on a topic involving all aspects of the engineer in society.

C2 Identification of areas of strength and weakness of self and peers. Demonstrated through group discussions and whole group self-assessment.

The standards set for each criterion per Module Learning Outcome to achieve a pass grade are indicated on the assessment sheet for all assessment.

**Principles of Assessment and Feedback**

(within Assessment and Feedback Policy at: <https://www.strath.ac.uk/professionalservices/staff/policies/academic/> )

There are several online quizzes to check on progress through some of the course material.

Students must produce a short written report on the results of a psychometric self-assessment and a curriculum-vitae. All students can ask for feedback on this, however directed feedback is only given to those students who do not meet the guidelines specified.

The major task of the class is to produce a group report (over five weeks) on a current topic of current societal interest (for example, energy supplies, the role of nuclear power etc.).

Online feedback on the group report will be provided. If requested, an additional face-to-face feedback session for individuals class may be arranged.

**Assessment Method(s) Including Percentage Breakdown and Duration of Exams (individual weightings)**

Examination			Coursework		Practical		Project		
Number	Month(s)	Duration	Weighting	Number	Weighting	Number	Weighting	Number	Weighting
				Quizzes	15%				
				CV etc	25%				
				Group	60%				
*				L01; LO2; LO3		*		*	

\* **L/Os:** Indicate which Learning Outcomes (L01, L02, etc) are to be assessed by exam/coursework/practical/project as required.

**Coursework / Submission deadlines (academic weeks):**

Semester 2 Weeks 5 & 11

Quizzes Weeks 3, 4 & 5

**Resit Assessment Procedures:**

Submission of individual resit ^coursework prior to commencement of the August exam diet.

^^Students must contact the module Registrar for details as soon as results confirm that a resit is required.

**PLEASE NOTE:**

Students must gain a summative mark of 40% to pass the module. Students who fail the module at the first attempt will be re-assessed prior to the August diet. This re-assessment will consist entirely of coursework. No marks from any previous attempts will be transferred to a new resit attempt.

**Recommended Reading**

No set texts used or recommended for the class. Relevant material provided during lectures or on Myplace.

**Additional Student Feedback**

(Please specify details of when additional feedback will be provided)

Date	Time	Room No
		Check Myplace for details

Session: 2021/22

**Approved:**

Course Director Signature: Dr E Henderson (SG)

Date of Last Modifications: February 21, 2022

## MODULE TIMETABLE

**Module Code:**

**16288**

**Module Title:**

**Professional Studies**

### Brief Description of Assessment:

*Assignment 1:* Individual report on self-evaluation and curriculum-vitae (week 3-5)\*. This assignment is dependent on the availability of the careers service and may be subject to change.

*Assignment 2:* Group report on a contemporary topic in engineering (week 6-11)\*

*Online Tests* are short quizzes to test progress through the topics (weeks2-5)

\*Assessment may be subject to change if whole class face-to-face teaching on campus is not able to take place.

### Assessment Timing

Indicated on the table below are the start/submission dates for each assignment/project and the timing of each exam/assessment. Dropdowns may be left blank. Add extra notes below the dropdowns where relevant.

**Please note: Timings can and will change, this should only be used as a guide.**

Semester One	W&D Wk	WK1	WK2	WK3	WK4	WK5	WK6	WK7	WK8	WK9	WK10	WK11	Exam Period
	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.

Semester Two	C&D Wk	WK1	WK2	WK3	WK4	WK5	WK6	WK7	WK8	WK9	WK10	WK11	Exam Period
	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item.	Choose an item.	Course work Set Online Test	Online Test	Course work Submit Online Test	Course work Set	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Choose an item. Choose an item.	Course work Submit