MODULE DESCRIPTION FORM

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

ME944 INDUSTRIAL PLACEMENT

Module Registrar: Cameron Johnstone cameron.johnstone@strath.ac.uk	**Taught To (Course): MSc Advanced Mechanical Engineering (AME) with Industrial Placement**	
Other Lecturers Involved: University Careers Service Staff	**Credit Weighting: 30**	**Semester: 1 & 2, with placement during Summer**
Compulsory class (for AME with IP degree only)	**Academic Level: 5**	**Suitable for Exchange: N**

Required prerequisites

Note: It is the responsibility of ALL students to ensure that they satisfy the prerequisite knowledge for this module BEFORE adding as part of curriculum selection. If unsure, please contact the Module Registrar or discuss with your Programme/Year Adviser of Studies.

None

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

Meetings	Tutorial	Laboratory	Groupwork	External	Online	Project	Assignments	Private Study	**Total**
10				150				140	300

Educational Aim

Graduates increasingly need highly developed transferable professional skills to prepare for and to gain future employment. This module allows students to carry out placements in industry to develop and refine their professional skills. Approval of students being able to take this module will be undertaken on case-by-case basis by MSc course leaders. Students must recognise that it is **their responsibility** to secure a placement and take action early on in the course to understand the competitive job market and prepare for making applications for placements.

Learning Outcomes

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

LO1 Demonstrate an understanding of the industry/business environment in which the employing company or organisation operates.

LO2 Describe the purpose of their role within the context of the business and the contribution it makes to the organisation as a whole.

LO3 Identify the primary policies in operation at the employing organisation and evaluate their effectiveness (e.g. Health & Safety, Quality Assurance, and Environmental).

LO4 Summarise the benefits of the work carried out for the industry and be able to critically evaluate their own personal learning.

Syllabus

The module will teach the following:

The module will allow students to gain an understanding of working in an industrial setting. It will also give students an opportunity to develop hands-on experience of project management and working to strict deadlines**.**

When applying for placements the Department and Careers Services will provide guidance and support with CVs, covering letters and interview preparation. Students will also be advised on how to manage time and relationships during placement.

Students are expected to undertake a minimum 10-week duration industrial placement to complete the module.

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-LO2
C1 Structure, quality and appropriateness of coursework submissions.
C2 Clear demonstration of the context of the role within the company and the potential impact of the work undertaken.

LO3
C1 Evidence of awareness of primary company policies.
C2 Evidence of understanding and demonstrating appropriate professional behaviour.

LO4
C1 Quality of student reflection and ability to evaluate their own personal learning journey.
C2 Evidence of applying academic knowledge to professional practice.

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/)

Deliver high quality feedback information that helps learners self-correct.
Regular feedback and discussion will be available through online discussion boards and via Skype for Business/Zoom. Individual feedback will be available by appointment with the module registrar.

Encourage interaction and dialogue around learning (peer and teacher-student)
Discussion of the course between teacher-student and also amongst peers will be encouraged in online discussion boards. Students will also be encouraged to discuss works with their peers to improve learning.

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

Examination				**Coursework**		**Practical**		**Project**	
Number	Month(s)	Duration	***Weighting***	Number	***Weighting***	Number	***Weighting***	Number	***Weighting***
				2	Pass/Fail only				
*				* LO1-LO4		*		*	

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

Coursework / Submissions deadlines (*academic weeks*):
Interim report – 6 weeks after starting placement
Final report – 2 weeks after completing placement

Resit Assessment Procedures:

Students who fail the module will **not** be re-examined and will be transferred to the MSc Advanced Mechanical Engineering ***without*** Industrial Placement.

Recommended Reading

*****Purchase recommended **Highly recommended reading *For reference (do NOT purchase)**

** "UK Standard for Professional Engineering Competence (UK-SPEC)", Third Edition, Engineering Council - http://www.engc.org.uk/

** "Engineer Your Own Success: 7 Key Elements to Creating an Extraordinary Engineering Career", 2015, A. Fasano

** "Writing and Speaking in the Technology Professions: A Practical Guide", 2003, D. F. Beer

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

Date	Time	Room No
		Check timetable webpages for details

Session: 2024/25

Approved:

Programme Lead/Director Signature: Dr A McLaren
Date of Last Modifications: 23/08/2024

(MAE template updated July 2024)

MODULE TIMETABLE

Module Code:	**ME944**	**Module Title:**	**Industrial Placement**

Brief Description of Assessment:

Assignments for this class are as follows:
1. Interim report, to receive critical feedback - including analysis of challenges and difficulties, timetable of work and proposal for future work (max 1000 words).
2. Final report to be handed into industrial contact related to work being done in collaboration with industry. The report should also include a section on critical reflection, which evaluates the lessons learned by the student (max 2500 words).

Note: Submission dates are not recorded on the timing calendar below as submissions are required during the placement/summer period.

Assessment Timing

Indicated on the table below are the start/submission dates for each assignment/project and the timing of each exam/assessment.

Please note: Timings could change during unforeseen periods of disruption; 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.

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.	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.