MODULE DESCRIPTION FORM

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

16010 INDUSTRIAL STUDY

Module Registrar: Dr Andrew McLaren andrew.mclaren@strath.ac.uk	**Taught To (Course): Cohorts for whom class is optional / elective**		
Other Lecturers Involved:	**Credit Weighting: 10 (ECTS 5)**	**Semester: Any**	
Assumed Prerequisites: n/a	**Elective class**	**Academic Level: 4**	**Suitable for Exchange: N**

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

Lecture	Tutorial	Laboratory	Groupwork	External	Online	Project	Assignments	Private Study	**Total**
								100	100

Educational Aim

This module aims to encourage students to obtain maximum long-term benefit from a period of monitored industrial experience (normally occupying at least one summer vacation period or equivalent). This may be achieved by ensuring that the experience is planned in advance and properly structured, that regular reviews are carried out by the industrial supervisor(s) and the whole experience and outcomes are documented in an appropriate manner. In addition to any technical report which may be required by the company, it is important for the purposes of this module that the student reflects on the learning experience and records the outcome of that reflection.

Learning Outcomes

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

LO1 encourage reflection on periods of industrial experience undertaken

LO2 provide practice in written communication

LO3 encourage planned, structured and monitored industrial experience

Syllabus

The module will teach the following:

The dissertation, on which the assessment will be based, can follow a variety of formats. It should, however, provide a clear overview of the experience which includes coverage of the following aspects – the background of the company or other sponsor, where they are located, what they do and why; the nature of the project undertaken and how that relates to the business of the sponsor; what the student did in outline, discussion of the interaction of the student with others in the company or elsewhere while employed on the project and what was learned. If an extensive report has already been compiled for the industrial sponsors, this should be included in the dissertation but it should be properly introduced and referenced in the overview. Brochures or other descriptive material may be included in an appendix. As regards confidentiality of information, it is reasonable to exclude commercially sensitive data, but there should be sufficient description to permit proper assessment of the achievements on the project. The reports will not be released beyond a (usually) single academic assessor and will be returned to the authors after the Examination Board at which academic credit is awarded for the module.

The module is awarded 10 credits uniquely and therefore the dissertation should represent the equivalent of 10 credits of academic study or project effort (about 100 hours work). This might of course include time already spent completing a report for a sponsor.

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 Student will show evidence of reflection on industrial experience in dissertation.

LO2
C1 Student will provide evidence of reports provided for Industrial sponsors, where appropriate.
C2 Thesis will be used to provide evidence of written skills of student.

LO3
C1 As part of the thesis, the student will reflect on project planning and of discussions with industrial sponsors relating to the project.

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/)

Students preparing the thesis and reflecting on their industrial experience directly involves the student in monitoring and regulating their own learning. The construction of a thesis or portfolio on the industrial sponsor requires students to reflect on their achievements and self-assess and select work that meets defined standards.

Feedback will be provided to students as they prepare their thesis, providing guidelines of how the document can be redrafted to include all the necessary aspects of the reflection on the industrial experience.

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***
								1	100%
*				*		*		* LO1, LO2, LO3	

* ***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*):
Thesis submitted by end of week 10 in semester 2.

Resit Assessment Procedures:
Resubmission of a revised ^^thesis prior to commencement of the July/August exam diet.

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

PLEASE NOTE:
Module is only pass / fail – no summative mark is awarded. Students who fail the module at the first attempt will be re-assessed during the July/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

*****Purchase recommended **Highly recommended reading *For reference**

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

Date	Time	Room No
		n/a

Session: 2024/25

Approved:

Programme Lead/Director:	**Dr G Houston-Scott**
Date of Last Modifications:	**02/08/2024**

(MAE template updated July 2024)

MODULE TIMETABLE

Module Code:	**16010**	**Module Title:**	**Industrial Study**

Brief Description of Assessment:

Thesis – end of week 10 semester 2

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. 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.	Thesis Submission	Choose an item. Choose an item.	Choose an item. Choose an item.