

## MODULE DESCRIPTION FORM

### DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### ME520 ADVANCED RESEARCH PROJECT A

Module Registrar: Dr M Oliveira <a href="mailto:monica.oliveira@strath.ac.uk">monica.oliveira@strath.ac.uk</a>	Taught To (Course): Cohorts for whom class is optional	
Other Lecturers Involved: Supervisors	Credit Weighting: 10	Semester: 1
Optional class	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.

Strong 4<sup>th</sup> Year Individual Project (or Summer internship)

Project dependent: please check with supervisors

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

Lecture	Tutorial	Laboratory	Groupwork	External	Online	Project	Assignments	Private Study	Total
2					3	95			100

#### Educational Aim

The object of the project is to expand and enlarge on work completed in the 4th year Individual Project, in order to carry out a feasibility study for the preparation of a full paper for submission to a refereed engineering journal. Students who have performed well in their Individual Project, may be registered for this class in first semester of 5th year. Satisfactory completion of this class by December is a condition of registration for the follow-up class ME521 Advanced Research Project B, in which a full paper will be prepared for submission by April.

#### Learning Outcomes

On completion of the module the student is expected to:

LO1 Have created a viable plan for the completion of a professional standard technical paper, with a view to it being submitted to a refereed engineering journal by the end of Semester 2.

LO2 Have had the opportunity to understand the requirements for a journal paper, and reflect on the work required to prepare a paper from their own project work.

#### Syllabus

The student will carry out appropriate research and scholarship to prepare a feasibility study and project plan.

#### 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 The self-reflection and project plan must give an honest appraisal of the work required to prepare the paper for submission.

C2 The self-reflection should provide the basis of the decision as to whether the full paper will be prepared by registration for ME521 Advanced Research Project B.

LO2

C1 The self-assessment and project plan should include a detailed assessment of the work required for full paper preparation and submission

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/>)

#### Help clarify what good performance is.

Regular feedback will be obtained through meetings with the supervisor, to give clear guidance about performance and progress. This will tend to be informal in nature, but students should recognise this as feedback, and be encouraged to reflect on it.

#### Encourage 'time and effort' on challenging learning tasks.

Regular meetings with the supervisor will encourage the student to work steadily over the whole project to achieve a high quality end result.

### 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	

\* **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*):

Copy of self-assessment and project plan to be handed in week 11.

### Resit Assessment Procedures:

Submission of alternate self-assessment and project <sup>^</sup>plan prior to commencement of the July/August exam diet.

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

### PLEASE NOTE:

Students performance will be marked with Pass(P)/Fail(F). Students who fail the module at the first attempt will be re-assessed during the second semester. This re-assessment will consist entirely of coursework. No marks from any previous attempts will be transferred to a new attempt.

### Recommended Reading

Reading appropriate to project topic.

### 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: 06/08/2024

## MODULE TIMETABLE

**Module Code:**

# ME520

**Module Title:**

## Advanced Research Project A

### Brief Description of Assessment:

Self-assessment and project plan to be submitted by week 11.

## 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 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.	Course work Submit	Choose an item.

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