Module Registrar: Prof J Boyle jm.boyle@strath.ac.uk
Taught To (Course): Cohorts for whom class is compulsory

Other Lecturers Involved: All Project Supervisors
Credit Weighting: 40 (ECTS 20)
Semester: 1 and 2

Assumed Prerequisites: Compulsory class
Academic Level: 4

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

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Tutorial</th>
<th>Laboratory</th>
<th>Groupwork</th>
<th>External</th>
<th>Online</th>
<th>Project</th>
<th>Assignments</th>
<th>Private Study</th>
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Educational Aim

Students pursue an intensive research, development or design project under the supervision of a member of academic staff after which they write up their work in a dissertation. In addition to the dissertation each student writes a short technical paper on completion of the project. At the end of both semesters, panels of academic staff conduct oral examinations to assess each student's performance: these panels also assess the technical paper. The supervisor assesses the work separately.

Learning Outcomes

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

LO1 Completed a period of study and research equivalent to 10 weeks of full time effort (spread over the period from September to April)

LO2 Made a technical contribution to the field of study and research associated with the project

LO3 Developed skills in technical writing to an appropriate standard and in the correct style

LO4 Been able to discuss the conduct of the project, its outcomes and conclusions with a panel of fellow professionals

Syllabus

The student will carry out appropriate research and scholarship to meet the learning outcomes.

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 oral panel will assess the quantity of work that the student has carried out with evidence taken from the student’s project logbook, written project plan, details of background reading and the contents of the technical paper, as well as the verbal evidence presented by the student.
C2 The supervisor will give an independent opinion concerning the quantity of work carried out during the project.

LO2
C1 The oral panel will assess the student on their knowledge of the project, and the technical contribution that has been achieved
C2 The supervisor will give an independent opinion of the student’s contribution to the field.

contd…
LO3
C1 The oral panel will assess the quality and style of the technical paper presented in April.
C2 The supervisor will make an independent assessment of the thesis presented in April.

LO4
C1 The oral panel will assess the ability of the student to discuss their work, and their background knowledge in the subject.

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

12 Principles of Assessment and Feedback
(on Learning & Teaching web pages: www.strath.ac.uk/learnteach/informationforstaff/staff/assessfeedback/12principles/)

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. The first oral exam in December will give two independent assessors an opportunity to give feedback on the quantity and quality of work.

Ensure that summative assessment has a positive impact on learning.
Students will be shown the assessment criteria in advance, and given guidance on the numerical marking scheme. This will allow them to focus effort on achieving good learning outcomes with the aim of achieving a high mark.

Facilitate the development of self-assessment and reflection in training
Students will be encouraged to reflect on their progress throughout the project, and plan their work effectively to meet the deadline. A written project plan will be required at the December oral exam to facilitate time management and focus in the second semester.

Encourage positive motivational beliefs and self-esteem
Completion of an individual project can be highly motivating and a source of satisfaction for the students.

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

<table>
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<tr>
<th>Examinations</th>
<th>Courseworks</th>
<th>Thesis</th>
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<tbody>
<tr>
<td>Number</td>
<td>Month(s)</td>
<td>Duration</td>
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<tr>
<td>Oral</td>
<td>Dec</td>
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<td>Oral</td>
<td>Apr</td>
<td>30mins</td>
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Indicate which learning outcomes (LO1, LO2 etc) are to be assessed by exam/coursework/project as required.

Coursework / Submissions deadlines:
First oral December, 1 page project summary to be submitted at this time.
Second oral April, Technical paper to be submitted in advance.
Thesis to be submitted mid-April.

Resit Assessment Procedures:
In exceptional circumstances, further work over the summer, followed by submission of a revised technical paper (prior to the start of the August exam diet) and oral examination may be permitted.

PLEASE NOTE:
Students need to gain a summative mark of 40% to pass the module. Students who fail the module at the first attempt will be re-examined during the August diet. This re-examination will consist of project resubmission and oral exam.
Recommended Reading

Reading and research appropriate to specific project topic.

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

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Session 2014/15: The class registrar will arrange a meeting early in second semester to provide interim feedback to the whole year on project progress. Individual verbal feedback will be given by each oral panel at the time of the oral exam.

Approved:

Course Director Signature: 

Date of Last Modifications: 28 August 2014
## MODULE TIMETABLE

**Module Code:** ME409  
**Module Title:** INDIVIDUAL PROJECT

### Brief Description of Assessment:

First oral December 15mins (1 page project summary to be submitted in advance)  
Second oral April 30mins (Technical paper to be submitted in advance)  
Thesis to be submitted mid-April.

### Assessment Timing:-

Indicate on the table below the start/submission dates for each assignment/project and the timing of each exam/assessment(s).

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<tr>
<th>Semester One</th>
<th>WK1</th>
<th>WK2</th>
<th>WK3</th>
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<th>WK6</th>
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(end) Project Summary  
(end) Technical paper  
(end) Thesis