Module Description Form

ME519 (ME522 sem1) MENG GROUP PROJECT

Module Registrar: Dr Andrew McLaren
andrew.mclaren@strath.ac.uk
Taught To (Course): Cohorts for whom class is compulsory

<table>
<thead>
<tr>
<th>Other Lecturers Involved: Supervisors</th>
<th>Credit Weighting: 40</th>
<th>Semester: 1 and 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assumed Prerequisites: Supervisors</td>
<td>Compulsory class</td>
<td>Academic Level: 5</td>
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</table>

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>
<th>Total</th>
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<tbody>
<tr>
<td>20</td>
<td></td>
<td>380</td>
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<td>400</td>
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Educational Aim

This module aims to give students an authentic experience of managing and contributing to a complex group project. This will include an opportunity to demonstrate mastery of the technical aspects of the project, in addition to demonstrating competence in project management, technical risk management and safety risk assessment.

Learning Outcomes

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

LO1 Appreciate the principles of project management and planning
LO2 Be able to reflect on their role in a team and their interaction with team members
LO3 Appreciate the importance of technical risk and health and safety management

Syllabus

Students will form into groups and be allocated a project topic, supervised by a member of staff. All students will take part in intensive workshops on project management, technical risk management and safety risk assessment. Each group will then write a statement of purpose detailing the deliverables and schedule for the project. This will be agreed with the supervisor, who will take on the role of client. The statement of purpose will form a contract between the group and the client.

Students will carry out the project, and report to the assessment team in December (interim presentation/report) and at the conclusion of the project (time agreed in contract). Groups will be assessed on the extent to which they have met the deliverables set out in the contract, as well as on the quality of reflection on the group process and project management experience.

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 Appreciate the principles of project management and planning
C1 Show an ability to develop a detailed project plan
C2 Be able to analyse the critical path of a project
C3 Understand project estimating and project control

LO2 Be able to reflect on their role in a team and their interaction with team members
C1 Critically analyse their contribution to the project
C2 Consider the interaction between team members
C3 Reflect of the influence of team structure on team effectiveness
LO3  Appreciate the importance of technical risk and health and safety management
C1  Understand the need for technical risk management
C2  Apply appropriate methods to support risk analysis
C3  Appreciate the role of uncertainty and modelling
C4  Appreciate the obligations of health and safety law

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/)

The following principles have been addressed in the design of the assessment.

Deliver high quality feedback information that helps learners self-correct.
The assessment is by oral presentations and dialogue, which provides instant feedback on group performance in a two-way communication process.

Ensure that summative assessment has a positive impact on learning.
The summative assessment in through oral presentations, after which feedback/mark sheets are completed by each assessor. These are returned to each group within a week of the assessment. Groups are encouraged to discuss any issues with the assessors.

Give choice in the topic, method, criteria, weighting or timing of assessments.
Project deliverables and deadlines will be defined by the group through a statement of purpose. Progress at each oral presentation is assessed against these criteria. Each group will define the detailed work on their project in negotiation with the supervisor (client).

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

<table>
<thead>
<tr>
<th>Assessment is by project work, reports and oral examinations, as follows:</th>
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<tbody>
<tr>
<td>Interim report/presentation</td>
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<tr>
<td>Final report/presentation, including website</td>
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<tr>
<td>Supervisor mark</td>
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</table>

L/Outcomes

All learning outcomes are assessed by all assessments

Indicate which learning outcomes (L01, L02 etc) are to be assessed by exam/coursework/project as required.

Coursework / Submissions deadlines:
Statement of purpose, semester 1 week4
Interim report/presentation, semester 1 week10
Final report/presentation, as defined by group in statement of purpose.

Resit Assessment Procedures:
A group that fails to meet the threshold level for a pass will be allowed to complete further work over the summer. This will be assessed for the September Board of Examiners.

PLEASE NOTE:
Students need to gain a summative mark of 50% 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 oral examinations.

Recommended Reading

No specific recommendations. (Students will be expected to research extensively in support of their project)
Additional Student Feedback
(Please specify details of when additional feedback will be provided)

Session: 2014/15  Feedback is individually given to each group. Additional feedback is provided to each group after each assessment in the form of written feedback sheets. In addition, groups may discuss their feedback sheets with individual assessors.

Approved:

Course Director Signature:  

Date of Last Modifications:  31 August 2014
**MODULE TIMETABLE**

<table>
<thead>
<tr>
<th>Module Code:</th>
<th>ME519</th>
<th>Module Title:</th>
<th>MEng Group Project</th>
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**Brief Description of Assessment:**

Interim report/presentation (S1)
Final report/presentation (S2), timing defined by student groups at outset of project.

**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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<th>WK1</th>
<th>WK2</th>
<th>WK3</th>
<th>WK4</th>
<th>WK5</th>
<th>WK6</th>
<th>WK7</th>
<th>WK8</th>
<th>WK9</th>
<th>WK10</th>
<th>WK11</th>
<th>WK12</th>
<th>Exam Period</th>
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<th>Semester Two</th>
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<th>WK2</th>
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Timing of final report/presentation defined by group in statement of purpose.