MODULE DESCRIPTION FORM

EF 931 Project Management

Module Registrar: B Dickson
Taught To (Course): Faculty wide Module

Other Lecturers Involved: Credit Weighting: 10
Assumed Prerequisites: optional class
Semester: 1
Academic Level: 5

Module Format and Delivery (hours):

<table>
<thead>
<tr>
<th></th>
<th>Lecture</th>
<th>Tutorial</th>
<th>Laboratory</th>
<th>Project</th>
<th>Assignment(s)</th>
<th>Private Study</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td></td>
<td>36</td>
<td>10</td>
<td>30</td>
<td>100</td>
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Educational Aim

This module aims to provide students with skills relating to the use of engineering practices in Project Management with particular respect to the effective and efficient use of resources.

Learning Outcomes

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

LO1 Demonstrate practical skills so that they are able to outline the scope of managing projects and the importance of completing projects on time, to an agreed quality and cost without excess use of resources.

LO2 Gain intellectual skills so that they are able to demonstrate understanding of project network methods and demonstrate familiarity with industry standard project planning software.

LO3 Develop an understanding of the inter-dependency between project estimating and project control and cost management.

LO4 Understand the basis of contract law, the different types of contract and when they are used.

(UK Spec suggests no more than 4 learning outcomes per module. Statements must be broad and be syllabus free and link in with the intended learning outcomes on the programme specifications.)

Syllabus

A statement on the range of learning

Introduction to Project management techniques and project control.
Basic aspects of project teams; project scope of work; network related management techniques; project features; project constraints and resources; quality assurance and document control.
Project networks: definition of events; activities and nodes; precedence networks and "activity on node" method; analysis of critical path.
Procedural and Graphical presentation techniques that are used as industry standard planning packages.
Introduction to Contract Law: formation of contract; validity; terms of the contract; breach of contract; agency; company contracts.
Project Budgetary control including cash flow, financial borrowing and investment.

Assessment of Learning Outcomes

Criteria
For each of the Module Learning Outcomes the following criteria will be used to make judgements on student learning.

[Note: Criteria break the LO down into ‘teachable’ elements but do not become syllabus orientated i.e. no mention of CAD package names, components etc.]

LO1
C1 Be able to interpret a project specification
C2 Prepare a bid document that demonstrates the effect & efficient use of project resources
C3 Be able to understand the dynamics of managing specialists in a multi-disciplinary project team

LO2
C1 Complete a project work schedule and network analysis
C2 Plan the allocation of resources

LO3
C1 Be able to modify an original project plan to cope with changing circumstances
C2 Reallocate resources efficiently in the light of project variations
C3 Understand the effect project variations will have on the project contract and the client/contractor relationship

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

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

<table>
<thead>
<tr>
<th>LO/Outcomes</th>
<th>Examinations</th>
<th>Courseworks</th>
<th>Projects</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Duration</td>
<td>Weighting</td>
</tr>
<tr>
<td>LO1</td>
<td>1</td>
<td>50%</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:
End of Presentation and end of Group work

Resit Assessment Procedures:
Individual assignment

PLEASE NOTE:
Students need to gain a summative mark of 40% / 50% (please delete as appropriate) 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 entirely of coursework (please delete as appropriate).

Recommended Reading

Course notes and provided references
Industrial based case studies

Date of Last Modifications:  10/2/11
(Updated August 2009)
**MODULE TIMETABLE**

Module Code: **EF 931**  
Module Title: **Project Management**

**Brief Description of Assessment:**
Group work completing a project simulation exercise where marks are awarded based on the effective use of resources.
Individual essay reflecting on best project management practice

**Assessment Timing:**
Indicate on the table below the Start/Submission dates for each Assignment/Project and the timing of each Exam/Class Test(s).

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<tr>
<th>Semester One</th>
<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>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Group project commences</td>
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<td>Group project complete</td>
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<th>Semester Two</th>
<th>WK1</th>
<th>WK2</th>
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<th>WK4</th>
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<th>WK7</th>
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