Module Title **MEng Group Project** **Keywords** Experiential Learning, Personal Transferable Skills, Application Of Knowledge And Understanding, Learning Contracts, Self appraisal, Peer assessment, Design process.	Reference EN5601 SCQF Level SCQF 11 SCQF Points 30 ECTS Points 15 Created May 2002 Approved March 2004 Amended August 2011 Version No. 2

This Version is No Longer Current

The latest version of this module is available here

Prerequisites for Module

Successful completion of SCQF 10 level of the MEng programme.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

To provide the student with experience of working on a multi-discipline group project, and the opportunity to demonstrate the knowledge and transferable skills acquired in their degree studies. To require the student to apply and further develop that which has been The student will produce an agreed learning contract with the University supervisor and other team members and devise a programme which will enable the learning outcomes specified above to be achieved.

Indicative Student Workload

Contact Hours	Full Time	Part Time
Formal progress meetings and feedback	24	24
Directed Study		
Coursework preparation	100	100
Group meetings	56	56
Private Study		
Coursework preparation	120	120

learned from earlier individual and group project work activities.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1. Demonstrate mature skills in the following areas: project planning, teamworking, technical innovation, professional and personal development, communication, staff relations.
2. Recognise and appraise his/her own strengths and weaknesses as a potential Chartered Engineer/Engineering Manager, and react accordingly.
3. Apply, in a team environment, the engineering and management theories, models, concepts and principles acquired in his/her academic studies.
4. Report on the holistic nature of, and personal contribution to, the group project, and appraise outcomes.

Indicative Module Content

The content of the multi-discipline group project will vary. However, it will be closely aligned to the research and development activities within the University and its industrial partners where appropriate. The format will allow an individual to

Mode of Delivery

Delivery is by means of formal group meetings with the supervisor and other staff as appropriate. Group members will be required to liaise with their supervisor, so that progress can be monitored, with particular emphasis on the transferable skills and technical skills related to the project. The student will be required to undertake health and safety induction related to project activites and where appropriate attend presentations/workshops from Academic staff and Industrial speakers on project related topics.

Assessment Plan

	Learning Outcomes Assessed
Coursework	1,3
Coursework	1,2,3,4

Coursework 1 is a Group Project Report and Presentation (50% weighting).

Coursework 2 is an individual portfolio and logbook (50% weighting).

Indicative Bibliography

1. MEng Group Project Guidelines.
2. Any other material relevant to the project.

format will allow an individual to gain experience of working within a team environment. Exposure to the full engineering design cycle, where possible, will be incorporated into the group project activity or as many of the major elements as is practical. For example group projects will include a range of the following elements: design specification (including costing), feasiblity, design alternatives, optimisation, simulation, detailed design(s), sourcing of standardised components and equipment, matching, manufacturing, construction, implementation, performance testing, verification, evaluation.