MODULE **DESCRIPTOR**

MODULE TITLE	Industrial Placement		
MODULE CODE	MP2899 (L5)	**CREDIT VALUE**	120 UK CREDITS / 60 ECTS
SCHOOL	SCHOOL OF SCIENCES		

MODULE **AIMS**

To provide students with relevant and broadening industrial experience to:- Consolidate their learning at Level 4 and Level 5 Inform their academic studies at Level 6 Enhance their subsequent early career development.

MODULE **CONTENT**

Indicative syllabus content:

This module has no fixed syllabus. Each student's experience is tailored to the particular circumstances of that student's placement. A student undertakes a period of employment as a trainee professional engineer, working to a set of objectives agreed between the student and an employer with the approval of the Industrial Placement Tutor. The placement period is not normally less than 48 weeks. In exceptional circumstances, where there are additional benefits to compensate, shorter placements may be undertaken with the prior approval of the Industrial Placement Tutor. The minimum placement period is 38 weeks. Placements begin during the summer vacation following a student's completion of Level 5 studies (normally at the end of the second year of study) and end during the following summer vacation, prior to the student's return to university to commence studies at Level 6.

INTENDED **LEARNING OUTCOMES**

On successful completion of this module a student will be able to:

1. Apply the basic knowledge and skills acquired during academic study at Level 4 and Level 5 in a professional engineering environment
2. Contribute independently and confidentiality to team and individual engineering projects
3. Evaluate the position of engineering as a dimension of business activity
4. Demonstrate a mature and professional attitude to work

TEACHING METHODS

During the study of this module, there are opportunities for the continued development of key or transferable skills. Characteristics developed as an engineer include:
• To be rational and pragmatic, interested in the practical steps necessary for a concept to become reality.
• To want to achieve sustainable solutions to problems and have strategies for being creative, innovative and overcoming difficulties by employing knowledge in a flexible manner.
• To be numerate and highly computer literate, and capable of attention to detail.
• To be cost and value-conscious, and aware of the social, cultural, environmental, health and safety, and wider professional responsibilities.
• To appreciate the international dimension to engineering, commerce and communication.
• When faced with an ethical issue to be able to formulate and operate within appropriate codes of conduct.
• To be professional in outlook, capable of team working, effective communicator, and able to exercise responsibility.
Communication: Contribution to group discussions, developing verbal and reasoning skills.
Numeracy: On-going development of analytical engineering methods.
Use of IT: Widely used, with opportunities to extend competence in particular areas.
Project Management: Increasing competence in self-management, and ensuring group outcomes are delivered.

Team Working: Developing competence in effective team working, both as an individual team member and in the effectiveness of the team as a whole.
Employability: Communication, creative thinking, subject specific skills, problem solving and team working all feature in the module. Integrated with the above skills, these contribute to developing graduate employability.

ASSESSMENT METHODS

Summative assessment of this module is made by the Industrial Placement Tutor, with advice from the Visiting Tutor, against reports submitted by the placement student and Industrial Supervisor. A placement is assessed as satisfactory or unsatisfactory. Satisfactory completion of this module requires the following criteria to be met: (1) Completion of the agreed period of industrial experience with satisfactory attendance, confirmed by the Industrial Supervisor. (2) Submission by the student of an Interim Report on the placement. This report should normally be submitted to the Industrial Placement Tutor during the second term of the academic year. (3) Submission by the student of a Final Report, in which the student demonstrates satisfactory achievement of the module learning outcomes. This report must be submitted to the Industrial Placement Tutor by a date to be determined (normally in August) prior to the commencement of the academic year following the placement. The final report submission is corroborated by completion of a pro-forma report by the Industrial Supervisor. Formative assessment is through advice and guidance from the Visiting Tutor and through a critical review by the Industrial Placement Tutor of the student's Interim Report.

Two reports (interim & final) demonstrating satisfactory completion of the learning outcomes.