

10MPI001 Industrial Training Placement (DIS, non credit bearing)

This module is principally taught by **Materials**

Version Number	10	Version Start Date	04/10/2010
Instance Number	01	Instance Start Date	04/10/2010
Modular Weight	120		
Exam Weighting	0%		
Credit Level	X		
Prereq Modules	None		
Excluded Combinations			
Distance Learning	None		
Responsible Examiner	Dr B Vaidhyanathan		
Delivery Period	Semesters One and Two		
Delivery Start-End Date	04/10/2010 - 24/06/2011		
Availability	Module is available to students meeting pre-requisites but only if listed in their Programme Regulations.		

AIMS:

The aim of the module is to contribute to the student's preparation for a worthwhile career related to their subject discipline by giving appropriate experience in a working environment. Where students are members of an appropriate professional body, the DIS placement also allows students to begin the process of acquiring the necessary evidence of skills and experience to support subsequent applications for Chartered status.

INTENDED LEARNING OUTCOMES:

1 Knowledge and Understanding

At the end of the Industrial Training Placement, students should have knowledge and understanding of:

- management and business practices
- the responsibilities of a professional Engineer or Designer
- team working issues
- ethical issues.

2 Skills and Attributes

i) Subject-specific: Intellectual / Cognitive

At the end of the Industrial Training Placement, students should be able to:

- manage and carry out a technical and/or design project to a constrained budget and timescale
- identify the factors which determine the success or otherwise of a technical project.

ii) Subject-specific: Practical Skills

At the end of the Industrial Training Placement, students should be able to:

- apply knowledge of specific codes of practice relating to hazards and operational safety
- develop a project plan, identifying the resources required and timescales involved
- analyse the outcomes of a project.

iii) Key / Transferable Skills

At the end of the Industrial Training Placement, students should be able to:

- manage time and resources
- work as part of a team
- develop a personal plan of work to meet deadlines
- identify and record their ongoing training and professional development.

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The student will be allocated an industrial supervisor, who is normally their line manager during the placement. In addition, a visiting Academic Tutor will be appointed by the University, normally within 4 weeks of the start of the placement, who will provide ongoing support to both student and industrial supervisor as required.

A training programme listing specific objectives relevant to the student's and the company's needs and aspirations will be agreed between the tutor and the industrial supervisor. The training programme will encompass as broad a range of activities as possible with the student taking a gradually increasing responsibility for his/her own work. The tutor will visit typically two to three times during the training period to ensure that the training objectives are being met and that progress is satisfactory, whilst remaining accessible to offer advice/support as required outside these formal review meetings. The formats for the review meetings and assessment are detailed in the departmental DIS handbook.

METHOD OF TEACHING, LEARNING AND ASSESSMENT:

There are no mandatory formal teaching arrangements for this module: however it is normally expected that the host company will provide appropriate training as may be required to support the student during their work. Students are expected to demonstrate quantifiable understanding and personal development both during and at the conclusion of the placement.

Assessment of a student's performance (over the minimum period of 45 weeks) during the placement is carried out jointly by the Industrial Supervisor in co-operation with the visiting Academic Tutor. The Academic Tutor will provide ongoing monitoring of a student's progress during the placement and provide support to the Industrial Supervisor with regard to progress assessment. The DIS is awarded on the basis of successful completion (as agreed by both Industrial Supervisor and Academic Tutor) of:

- a) An Academic Dissertation of about 5000 words written by the student on a subject or subjects given by the two Tutors in consultation with the Student (40%). Marking criteria include structure of the report, clarity, use of appropriate graphical aids, use of references and bibliography.
- b) A Personal Development Portfolio of about 5000 words consisting of a report or collection of reports by the student on his/her period of industrial experience and the skills and knowledge acquired and demonstrated during the placement (40%). Marking criteria include evidence of: communication skills, problem solving ability, understanding of company activities, roles and relationships within the company, training summary.
- c) A presentation made at the company in the presence of the industrial supervisor, academic supervisor and other management or colleagues from the placement company. This presentation is made at the end of the placement and is assessed by both academic and industrial supervisors. (20%).

There is some scope for negotiation between the student, industrial supervisor and academic tutor, with regard to the relative length of these two reports as relevant to a particular placement, however students are required to satisfactorily complete both parts of the assessment.

Interim progress is assessed at the formal progress review meetings between student, academic tutor and industrial supervisor, on the basis of presentations, discussions and evaluation questionnaires as outlined in the departmental DIS handbook. Where appropriate these meetings will also attempt to remedy or identify strategies to deal with any problems or difficulties identified by student, industrial supervisor or academic tutor.

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METHOD OF FEEDBACK:

1. Feedback given to students in response to assessed work

Individual feedback on request

Students receive on-going feedback from their industrial supervisors.

2. Developmental Feedback generated through teaching activities

Placement visit dialogue / reports