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Team engineering	T885
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*Presentation pattern*     *September to June*  
*January to October*

#### *Course description*

In this course students will develop the essential professional engineering skill of working with others. They will work as part of a small project team which will be formed at the first compulsory weekend residential school. Projects will encompass a broad sweep of engineering – and will require cooperative development of the knowledge and skills needed to analyse an engineering system and produce a revised specification for the system. They will work together in a team, under guidance from their tutor, using a variety of communications methods e.g. wikis, on-line meetings, MyStuff, email, telephone and face-to-face meetings. Their team's results will be presented and assessed at the second compulsory residential weekend school and through submission of a written report.

#### *Person specification*

The person specification for this course should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University.

You will be required to supervise a team of about five T885 students as they work on their engineering project selected by them at the first residential weekend. The prime task is to ensure that the students do interact and work as a team of engineers as they research, specify, plan, design and execute their project. Both the overall performance of each team and the individual contribution of each member are important. Your role in motivating them and guiding them to use the appropriate engineering and project management tools will be crucial to their success as professional engineers in the context of this course. You will be required to give expert guidance by telephone and computer-mediated contact as the projects progress, and to assess the work of both your team and its individuals (including the final assessments) based on your observing them in action and on their written submissions. You must be prepared to attend both residential weekends and their associated briefings.

As well as meeting all the requirements set out in the generic person specification, you should have:

- a degree or equivalent in an engineering or related scientific or technical subject
- relevant experience of The Open University's supported distance learning methods and its residential schools, plus enthusiasm for and commitment to effective teaching at a distance
- relevant experience of the academic basis of engineering project work at postgraduate level
- knowledge of the academic and professional development requirements for Chartered Engineer status
- ability to inspire, mentor, guide and motivate project team members
- awareness of the processes of team development and sensitivity for the proactive/reactive role of a team tutor
- sufficiently influential communication and interpersonal skills to handle group dynamics and to resolve conflicts within a team of this kind
- ability to teach effective oral and written presentation skills for professional reporting
- research experience and information search skills at an appropriate level.

It would be an advantage to have:

- experience of video conferencing and computer-mediated communication
- experience of the design, engineering, development and/or manufacturing of products or processes

- experience of facilitating the management and leadership of engineering project teams in either an advanced academic or an industrial context
- familiarity with project planning and management tools and techniques
- appreciation of the importance to engineering of sustainable development, environmental impact, health and safety, reliability and quality techniques, intellectual property rights, and ethics.

*Additional Information*

- You must be prepared to attend both residential weekends of T885 (student allocation is arranged during the first residential weekend), including the Friday tutor-briefing sessions.
- You will be required to support a team of about five students on any one presentation.

*Module related details - a full explanation can be found on the website*

Credits awarded to the student for the successful completion of a module:	30
Number of assignments submitted by the student:	4
Method of submission for assignments:	1a
Level of ICT requirements:	2
Number of students likely to be in a standard group:	4
Salary band:	1
Estimated number of hours per teaching week:	2

There may be opportunities for ALs to undertake associated assessment work for which there will be additional payment and about which you will be contacted separately if applicable.