
 Manufacture materials design T805

Presentation pattern *May to October*

Module description

Introducing materials processing from the perspective of a design engineer, this module explores how to make components. The emphasis is on the interactions between manufacturing, materials and design rather than studying each independently. The main routes to manufacture of components – casting, forming, cutting and joining – are set in a business context that supports effective decision making, and the study materials include a continually evolving databank of manufacturing processes.

Person specification

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

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

- significant practical (i.e. industrial or commercial) experience in at least two of the following areas: manufacturing, materials or design engineering
- theoretical underpinning, to at least degree level, in one of the following areas: manufacturing, materials or design engineering
- significant experience of the production of engineering components, in either a teaching or an industrial environment
- a proven ability to teach, at postgraduate level, advanced manufacturing techniques in the context of more traditional methods
- confidence in and enthusiasm for online teaching.

It would be an advantage to have:

- A postgraduate qualification in a relevant subject area.
- Experience of postgraduate teaching or in professional training programmes.

Additional information

T805 is an example of an approach to online learning where there is a high level of interaction between the learner and the online materials, requiring appropriate support from you as tutor. You should therefore expect to have frequent and often proactive contact with the student structured around these interactions. An element of the assessment will be based on the student's contribution to the learning resources and familiarity with their work built up over the period preceding the formal submission of assignments will facilitate your marking of their submitted work.

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:	3
Method of submission for assignments:	2
Level of ICT requirements:	3
Number of students likely to be in a standard group:	20
Salary band:	4
Estimated number of hours per teaching week:	6