Software engineering TM354

Presentation pattern *October to June*

Module description

This module gives students a realistic view of software development. It explores how software systems are designed and built from a software engineering perspective, and provides students with an understanding of software engineering concepts and a view of practical software development. Designing, building and testing software systems can be a complicated process. The module follows a disciplined approach to the development of software systems to meet specified requirements. Students will become familiar with a wide range of techniques to support the dialogue between software engineers and an organisation's stakeholders, and the work of the developers. They will also develop a good understanding of the different approaches to, and practices of, software development, including those followed by agile methods. Software engineering uses a blended learning approach to tutorial support with face-to-face and online tuition.

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:

- experience of object-oriented software development
- familiarity with Java technology, CASE tools and UML
- an understanding of agile practices.

It would be an advantage to have:

- knowledge of modelling languages
- knowledge of one or more agile development approaches
- knowledge of SOA and patterns
- an interest in online collaborative learning
- experience in the delivery of online tuition
- a relevant higher degree.

Additional information

- We welcome applications from candidates whose experience derives from either an industrial or an academic background or both.
- Experience of using electronic forms or distance teaching and support would be useful but training will be provided.

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:	2
Number of students likely to be in a standard group:	20
Salary band:	3
Estimated number of hours per teaching week:	3.5