Object-oriented Java programming   M250

Presentation pattern   *October to June*

Module description

This module teaches the fundamental ideas behind the object-oriented approach to programming through the widely-used Java programming language. Concentrating on aspects of Java that best demonstrate object-oriented principles and good practice, students will gain a solid basis for further study of the Java language and object-oriented software development. They will need to be confident using a personal computer and have experience of writing small computer programs; the Level 1 module *My digital life* (TU100) would be ideal preparation. They should also be able to write short explanations of technical ideas in their own words, and be able to communicate with others electronically.

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:

- a degree in a relevant area or considerable practical experience of object-oriented programming
- a familiarity with the Java programming language such as could be gained, for example, from teaching the language; from studying one of the University's Java courses (such as M254, M255, M257 or M874) or from working with Java in industry
- an understanding of and interest in how Java supports the OO paradigm, and how this compares to other OO programming languages
- an appreciation of a student-centred approach to the development of programming and study skills, and how this informs good practice in a distance learning environment.

Your application will also be considered if you have:

- ability to comment on, teach and assess programs written in Java
- extensive commercial experience of OO design and programming in Java.

It would be an advantage to have:

- experience of teaching introductory programming
- experience of teaching software development using object-oriented techniques at degree level
- experience of using electronic forms of distance teaching and support (but training is provided if needed).

Additional information

- In addition to marking two tutor-marked assignments (TMAs), you may also have to respond to student queries on five interactive computer-marked assignments (iCMAs).

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:	2
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