

*Presentation pattern*    *October to June presentation*

*Module description*

Four important areas of modern statistics (medical statistics; time series analysis; statistics for multivariate data; and Bayesian statistical methods) are introduced in independent modules that will give you a broad and varied perspective on the subject. The module emphasises key concepts, practical applications and interpretation rather than technical details. It includes the SPSS and WinBUGS software, which you will use to analyse data and develop your understanding of statistics. To study this module you should have a sound knowledge of basic mathematics as provided by the appropriate Level 1 modules, and statistical competence at the level developed by the appropriate Level 2 study.

*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 that includes statistics and probability
- some teaching experience
- Be able and willing to give face-to-face and online tutorials, using materials that you may need to produce, that are appropriate for the module and students
- Experience with the interpretation of statistical results, in at least 2 of the four areas covered by the module (by, for example successfully completing a pre-interview marking exercise) and be able to demonstrate the ability to quickly develop an understanding of the remainder of the material
- Have appropriate IT equipment and skills
- familiarity with statistical software such as SPSS for Windows and ability to quickly learn other software used in the module (LearnBayes and WinBUGS).
- ability to use e-learning facilities, such as:
  - the module website, and other University websites, to download essential material and to retrieve other information
  - University systems for the purposes of monitoring students' progress
  - e-mail and University forums for asynchronous communication with students, tutors, and other staff
  - The University's online tutorial software (training provided)
  - On-screen marking of electronically submitted student assignments in pdf format

*Additional information*

As students on this module will have the choice to submit their TMAs electronically, via the University's online TMA/EMA service, you will be required to mark and provide feedback on TMAs submitted electronically and to return the marked work as an electronic file, in the prescribed form, to TMA/EMA service. You may also need to mark paper TMAs. If you are invited for an interview and the latter involves an electronic marking exercise, some guidance will be given for this. Further information and advice will be available should you be appointed to the role. The exact nature of e-learning facilities and University systems for monitoring student progress and handling TMAs will evolve in future, and you will need to be prepared to adapt accordingly. Please note that, in accordance with usual University policy, tutors will be expected to use their own equipment for all aspects of e-learning.

*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:	3
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