

Modelling for Health Economics

An understanding of the uses and limitations of modelling is an essential part of the toolkit of any Health Economist who is involved with Economic Evaluation, either as an analyst or a receiver/user of economic analysis. This module goes beyond the introductory sessions in the Introduction to Health Economics module and covers the full range of model types that are appropriate for use in Health Economic analysis (such as Markov models, transmission dynamic models and Bayesian approaches to modelling).

Credits

20 credits

Module Attendance Required

One week block of teaching

Module Dates

2014/15 dates

23 - 27 February 2015

Please note: if you are taking this module as part of the MSc Health Economics and Health Policy programme you will need to have completed the [Statistics for Health Economics II \(/postgraduate/courses/taught/med/pg-modules/statistics-for-health-economics-ii.aspx\)](#) module.

Assessment

Two written assignments each 50% of total weighting

- 1) critical appraisal of an existing model-based analysis (maximum 3000 words)
- 2) an exercise involving construction, analysis, and reporting of the results of a model (maximum 2000 words for the report plus the model in appropriate software)

Academics involved in the delivery of this module

[Dr Pelham Barton \(http://www.birmingham.ac.uk/staff/profiles/haps/HealthEconomics/barton-pelham.aspx\)](http://www.birmingham.ac.uk/staff/profiles/haps/HealthEconomics/barton-pelham.aspx), Reader in Mathematical Modelling

[Dr Andrew Sutton \(http://www.birmingham.ac.uk/schools/haps/staff/list.aspx?Referencelid=5863&Name=dr-andrew-sutton\)](http://www.birmingham.ac.uk/schools/haps/staff/list.aspx?Referencelid=5863&Name=dr-andrew-sutton), Lecturer - Health Economics Unit

Stand Alone Course

This module can be taken as a stand alone course if required. To apply, please see below. For any further information please contact Helen Evans, Programme Administrator, 0121 414 7694, healthconomics@contacts.bham.ac.uk (<mailto:healthconomics@contacts.bham.ac.uk>)

To apply for a stand alone course

Please complete the application form and make payment [here \(http://shop.bham.ac.uk/browse/extra_info.asp?compid=1&modid=2&prodid=511&deptid=4&catid=10\)](http://shop.bham.ac.uk/browse/extra_info.asp?compid=1&modid=2&prodid=511&deptid=4&catid=10).

Fee if taken as a stand alone course

2014/15 module prices

UK/EU - £1450 (Public Sector), £2200 (Private Sector)

Non UK/EU - £2274

This module can be taken on a stand alone basis however it will not be assessed and no credits will be awarded.

Entry requirements if taken as a stand alone course

Previous knowledge of health economics and statistics equivalent to that obtained in the [Introduction to Health Economics \(/postgraduate/courses/taught/med/pg-modules/introduction-to-health-economics.aspx\)](#) and [Statistics for Health Economics \(/postgraduate/courses/taught/med/pg-modules/statistics-for-health-economics-i.aspx\)](#) modules. All applicants will be required to discuss eligibility with the Course Director at the time of applying.

[Study here and find out why the University of Birmingham was awarded The Times and The Sunday Times University of the Year 2013-14 \(http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx\)](http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx)

Course fact file

Type of Course: Continuing professional development, module

Contact

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