

Who is eligible for the course?

Applications are welcome from people with:

- ✓ A first degree (minimum 2.1) from a recognised university in a numerate subject such as: Economics, Operational Research, Mathematics, Statistics, Industrial Engineering, Management Science, Physics, Systems Control
- ✓ A good level of English language, both written and oral
- ✓ Willingness to engage with staff and students for mutual benefit
- ✓ Motivation to establish an excellent career in Health Economics and Decision Modelling

About Sheffield

The University of Sheffield is one of the UK's leading universities, with an international reputation for excellence in both teaching and research. The city of Sheffield offers an outstanding quality of life in an attractive green environment and with a wide choice of housing. Sheffield borders the Peak District National Park, Britain's first national park, which has stunning and diverse scenery and is a paradise for walkers, cyclists and adventure sport enthusiasts, as well as for the more relaxed lovers of nature and the outdoors.



The
University
Of
Sheffield.



The
University
Of
Sheffield.

School Of
Health
And
Related
Research.

World-leading research

SchHARR received excellent ratings in the 2008 UK Research Assessment Exercise and had by far the largest number of research staff in the Health Services Research unit of assessment in the UK. Furthermore, 55% of activities were assessed as either world leading or internationally excellent. This combination of scale and quality of health services research made SchHARR the number one UK centre, as measured by the 'Research Power League Table' (see: http://www.sheffield.ac.uk/content/1/c6/01/46/51/RAE2008_research_capacity_researchresearch.com.pdf).

Course website

To find out more about the Masters in Health Economics and Decision Modelling, please visit the course website: www.sheffield.ac.uk/scharr/prospective_students/masters/hedsmc

Contact

If you would like to express interest in either applying for a place on the course or exploring sponsoring opportunities, please send an email to scharrtu@shef.ac.uk

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This leaflet is available in alternative formats. To request a different format:

T: +44 (0)114 222 1303

E: disabilityinfo@sheffield.ac.uk



MSc
Health
Economics &
Decision
Modelling.

Why choose this Masters course?

The MSc in Health Economics and Decision Modelling is the only Masters programme in the UK dedicated to the practical application of mathematical modelling to inform healthcare decision making. This is a truly bespoke course, bridging the gap between the underlying theory and application of mathematical modelling for decision making and more traditional health economics.

Health economics is a growing area in public policy, in academia and in the private sector, with a national shortage of qualified specialists at postgraduate level. This Masters programme is suitable for those who wish to pursue careers as applied economists in the health sector or as the basis for doctoral research.

Why study at ScHARR?

ScHARR is one of the largest research centres in the UK and internationally, in terms of its health economics and modelling/operational research team, whose staff are highly experienced in teaching research and consultancy in areas including: health economics, cost-effectiveness modelling, clinical trials, systematic reviewing, and modelling service delivery. Consequently, ScHARR provides an excellent training ground for postgraduate students in this field.

Principal aims of the course

- Equip students with an analytical skill-base required to evaluate and improve the efficiency and effectiveness of healthcare systems to a professional level
- Provide an in-depth understanding of current state-of-the-art methods for mathematical modelling to support and inform evidence-based healthcare decision problems
- Provide a firm grounding for students wishing to pursue a career in health economics and mathematical modelling



Core modules

- Cost-effectiveness Modelling for Health Technology Assessment
- Introduction to Health Economics
- Health Research Methods
- Economic Evaluation
- Advanced Topics in Economic Evaluation
- Medical Statistics and Evidence Synthesis
- Operational Research Techniques in Health Resource Allocation
- Advanced Simulation Methods
- Dissertation

Full Time or Part Time?

The MSc Health Economics & Decision Modelling is a taught course over a one year period (full-time) or over two years (part-time). A full Masters course consists of units of study totalling 120 credits and a dissertation (60 credits).

Career Opportunities

This internationally focussed Masters course is designed to equip participants with the techniques and methods of health economics and modelling to meet a massively expanding demand globally, as the costs and benefits of health related strategies are analysed. This course is ideal for students wishing to pursue a career as a professional health economist/modeller.

This innovative course is intended to increase the number of professionally qualified health economists and modellers, internationally and within the U.K. Graduates will be suitably prepared to carry out analytical work at a professional level in multidisciplinary teams for a range of organisations including:

- Pharmaceutical companies
- Health insurance/sickness funds
- Healthcare organisations
- Department of Health/Ministries of Health and associated agencies
- Municipalities and Public Health departments
- Universities
- Management consultancies

Sponsoring Organisations

We are keen to engage with healthcare related organisations that consider providing sponsorship. There is a variety of funding options available ranging from supplying a dissertation project, through to sponsoring a '1+3' place on the Masters programme which would include a 3 year PhD project.

www.sheffield.ac.uk/scharrprospective_students/masters/hedmsc/stakeholders.html