

Warwick Statistics Department is one of the strongest in the UK for research. We currently have 30 members of academic staff and 11 research staff, most of whom are internationally acknowledged experts in their respective fields of interest. In the latest national Research Assessment Exercise (RAE 2008) the Department of Statistics had a quarter of its research activity assessed at the very highest quality level, level 4*, "Quality that is world-leading in terms of originality, significance and rigour". The Department is housed in the modern, purpose-built Zeeman Building, shared with Mathematics. Its facilities include superb lecture rooms and student work areas, and well-equipped computer labs.

RESEARCH DEGREES

MASTER OF PHILOSOPHY (MPhil)

DOCTOR OF PHILOSOPHY (PhD)

TAUGHT MASTER'S DEGREES

MSc IN STATISTICS

MSc FINANCIAL MATHEMATICS, (see WBS page 179)

CONTACT DETAILS

Postgraduate Support Officer

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RESEARCH GROUPS

Statistical Theory and Methods

There is a strong tradition of statistical methodology in Warwick and our research interests in this area are quite diverse, covering many novel topics in statistics with a large potential for exciting applications. Most researchers working in this area will also be involved in substantive applications. Particular areas of interest include Bayesian methods, Likelihood methods, Computational statistics, Time series methods and High-dimensional statistical models.

Probability Theory and Applications

The probability group liaises closely with the comparably strong group of probabilists in Warwick Mathematics, forming a highly active community of about 30 probabilists engaging in annual workshops and six regular research seminar series. Vigorous research activity covers a substantial range of modern probability, ranging over exponential functionals of Brownian motion, random matrix theory, stochastic geometry and networks, random fractals, financial stochastic calculus, interacting systems and image analysis, stochastic control, perfect simulation, and Levy processes.

Applied Statistical Modelling

Most members of the Department are also involved in substantive applications. Research is conducted in the following application areas: Image analysis, environment and neurostatistics, bioinformatics, epidemiology, econometrics, forensic statistics, industrial statistics and risk, medical and social statistics and financial mathematics.

DEPARTMENT OF STATISTICS

www.warwick.ac.uk/go/statistics

(see also MASDOC on page 127)

RESEARCH DEGREES

MASTER OF PHILOSOPHY (MPhil)

DOCTOR OF PHILOSOPHY (PhD)

Standard Duration: 3 – 4 years full-time

The Department of Statistics has a very strong research presence and an international reputation in both statistics and probability. An important part of the research environment is the vibrant PhD programme with about 30 students from around the world. CRISM (see page 159) and PaW are research centres that co-ordinate research in statistics and probability through seminars, workshops and inviting visitors. Students can enrol to do research in probability, statistics, or mathematical finance, leading to a PhD in Statistics. Formal courses in the first year are organised in the context of the Academy for PhD Training in Statistics (APTS).

The Mathematics and Statistics Centre for Doctoral Training has a taught first year, and includes applied mathematics as well as statistics and probability. (See MASDOC page 127.)

APPLICATION FACT FILE (RESEARCH DEGREES)

Entry Requirements

The normal entry requirement is at least a 2:i degree in a subject with a substantial mathematical content.

You should have a sound basic training in statistics through either a joint degree in mathematics and statistics, or a postgraduate course in statistics (such as the MSc in Statistics). You may be invited to visit the Department to discuss your research plans with the members of staff concerned.

English Language Requirements

IELTS 6.5, TOEFL (iBT) 92 or equivalent

Application

Applications should be made online at www.warwick.ac.uk/go/pgapply

Application Deadline

Applications are welcomed throughout the year. However, funding will be awarded at various fixed dates, currently mid-February, April and July. Applications should be made at least four weeks in advance of deadlines.

Tuition Fees

(2011/2012 fees. Please note that fees for 2012/13 will be published online in spring 2012.)

Home/EU: Full-time £3,900, Part-time £2,340

Overseas (Band 1):

Full-time £12,115, Part-time £7,269

Funding

The Department makes some funding available which can be used for home/EU or overseas students. Home/EU students can be eligible for EPSRC funding. Details of the Chancellor's Scholarships and other funding opportunities are available on the Graduate School website: www.warwick.ac.uk/go/graduateschool

TAUGHT MASTER'S DEGREES

MSc IN STATISTICS

Standard Duration: 1 year full-time, 2 years part-time Places available: 25

The MSc provides a thorough grounding in statistical theory and techniques, as a launching pad for a professional career involving statistics, or as a prelude to a research degree. In addition to the lecture-based course the MSc requires a three-month project. The applications of a postgraduate degree in statistics are diverse. Consequently, graduates go on to enjoy careers in a wide variety of fields including: improving internet search and online advertising, culling gene sequencing information for cancer research, analysing sensor and location data to optimise the handling of food shipments and many more.

APPLICATION FACT FILE (TAUGHT MASTER'S DEGREES)

Entry Requirements

Applicants for the MSc should normally have obtained at least a 2:i degree (or equivalent) with a high mathematical content.

English Language Requirements

IELTS 6.5, TOEFL (iBT) 92 or equivalent

Application

Applications should be made online at www.warwick.ac.uk/go/pgapply

Tuition Fees

(2011/2012 fees. Please note that fees for 2012/13 will be published online in spring 2012.)

Home/EU: Full-time £6,080 Part-time £3,040

Overseas: Full-time £12,325, Part-time £6,163

Funding

A limited number of bursaries are available, see departmental website for further information. Other funding opportunities are available on the Graduate School website: www.warwick.ac.uk/go/graduateschool