



ROLE PROFILE

Job Title: Assistant Professor in Statistics
School/Department: School of Mathematical Sciences
Job Family & Level: Research and Teaching Extended Level 5
Contract Status: Permanent
Hours of Work: Full-time
Location: University Park
Reporting to: Head of School or nominee

The Purpose of the Role

This role will be held in the School of Mathematical Sciences. The role holder will have a growing national and international reputation in their field and will have the potential to make a significant impact on their specialism/discipline through effective and innovative academic and organisational leadership.

Main Responsibilities table with 2 rows: 1. Teaching (lectures, tutorials, workshops, project supervisions) and 2. Research (original research, publishing, funding, supervision, dissemination, collaboration).

3.	<p><b>Administration</b></p> <ul style="list-style-type: none"> <li>To contribute to efficient and effective completion of the work of the School, including undertaking administrative roles</li> <li>To undertake further training consistent with continuous professional development</li> </ul>
4.	<ul style="list-style-type: none"> <li>Any other duties appropriate to the grade and role of the post holder</li> </ul>

**Person Specification:**

	<b>Essential</b>	<b>Desirable</b>
<b>Qualifications/ Education</b>	<ul style="list-style-type: none"> <li>PhD or equivalent in statistics or a related subject</li> </ul>	
<b>Skills/Training</b>	<ul style="list-style-type: none"> <li>Excellent oral and written communication skills, including the ability to communicate with clarity on complex information</li> <li>Good time-management and multi-tasking skills</li> <li>Good pedagogical skills required to teach a range of statistics (including service) modules at all undergraduate levels and MSc level. Ability to develop excellent teaching and learning materials.</li> <li>Potential to attract research funding</li> <li>Potential to supervise research students</li> </ul>	<ul style="list-style-type: none"> <li>Ability to use and develop appropriate IT-based learning</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>Experience of teaching in Higher Education</li> <li>Proven track-record in publishing research work of international quality in statistics, complementing existing research activity within the School. Particular areas of interest include, but are not limited to Machine Learning, Bayesian Computation, and Uncertainty Quantification.</li> <li>Potential for successful research interaction with other members of the School and more broadly</li> <li>Experience of presenting to national or international scientific meetings</li> <li>Potential to develop impact and outreach activities</li> </ul>	<ul style="list-style-type: none"> <li>Experience of delivering lectures to large groups</li> </ul>
<b>Personal Attributes</b>	<ul style="list-style-type: none"> <li>Ability to work to deadlines and to prioritise tasks</li> <li>Ability to work proactively and collaboratively within a multi-disciplinary and multi-cultural team</li> <li>Ability to network, actively engaging with and valuing other areas and diverse groups</li> <li>Ability to take on board and offer constructive feedback</li> </ul>	

Please note that as part of its commitment to maintaining the highest academic standards in teaching and learning, the University expects all newly appointed or promoted research and teaching staff (unless exempt) to complete 30 credits of the Postgraduate Certificate in Higher Education (PGCHE) Course.



The School is committed to promoting Equality and Diversity. This has been recognised in the awarding of an Athena SWAN Bronze Award, and the School is working hard towards further progress. Athena SWAN <http://www.athenaswan.org.uk/> recognises and celebrates good employment practice for women working in STEM subjects.

Informal enquiries may be addressed to Professor Andrew Wood tel: +44 (0) 115 9514983 or email: [andrew.wood@nottingham.ac.uk](mailto:andrew.wood@nottingham.ac.uk). Please note that applications sent directly to this email address will not be accepted. Information about the School is available at: <http://www.nottingham.ac.uk/mathematics/index.aspx>.

Applicants will be considered on an equal basis, subject to the relevant permission to work in the UK as defined by the requirements set out by the UK Border and Immigration Agency. Please visit <http://www.ukba.homeoffice.gov.uk/> for more information.

### **School of Mathematical Sciences**

The School of Mathematical Sciences has undergone an exciting period of expansion and now has about 75 academic staff and about 20 postdoctoral research fellows. In August 2011 the School moved into new purpose-built accommodation on the attractive University Park campus.

We are a School with many international staff and have a strong sense of academic community. We offer a study leave scheme intended to provide extra time to undertake research of strategic importance to the School, including pedagogical research.

The School has a culture of openness and regularly seeks, and is reactive to, feedback from staff.

The University of Nottingham supports staff to develop their careers, including PGCHE modules and leadership training courses coordinated to support continuing professional development. Funding is available to contribute to additional childcare costs to support attendance at academic conferences and workshops.

The School has a substantial student population which includes 850 undergraduate students, 80 postgraduate MSc students and 120 postgraduate PhD students. It offers single honours degree programmes in Mathematics (BSc and MMath), Financial Mathematics (BSc) and Statistics (BSc, new for 2018 entry) together with a joint honours BSc degree programmes in Mathematics and Economics. The School also delivers half of the Mathematical Physics degree (both BSc and MSci), several broad-ranging taught MSc courses, and from 2019/20, a new MSc in Data Science. In addition, the School offers service modules to the University at large, notably to students in Engineering and Science. Applications for the School's undergraduate degree programmes are buoyant and we regularly attract one of the best-qualified undergraduate intakes in Mathematics in the UK. The excellence of our teaching environment was recognised last year when we won School of the Year at the Students' Union Education Network Awards and a Lord Dearing Award for Excellence in the Learning Environment. School staff have also recently won Lord Dearing Awards and a Vice-Chancellor's Medal for enhancing the student experience, through our transition support and our peer-mentoring scheme.

The School undertakes research in diverse areas of mathematics organised around seven Research Groups: Algebra and Analysis, Industrial and Applied Mathematics, Mathematical Medicine and Biology, Mathematical Physics, Number Theory and Geometry, Scientific Computation, and Statistics and Probability. The School of Mathematical Sciences is in the top ten mathematics departments nationally, and was recognised for the quality of its research in the most recent national Research Excellence Framework (REF). The REF assesses UK higher education institutions in all subject areas and is based on submissions provided by each university detailing their research and the wider societal impact that it has had. In the School, 32% of our research was recognised as world-leading and a further 56% as internationally excellent. Its research environment was classified as 75% world-leading in vitality and sustainability, with the remaining 25% internationally excellent - reflecting the outstanding setting the School provides for its 80 academic staff as well as its postdoctoral and postgraduate researchers.

The School currently holds major research grants worth £14M; it has a vibrant seminar programme as well as numerous study groups for PhD students. Members have strong collaborative links with research groups and centres around the world. The School is a founder member of the Academy of PhD Training in Statistics (APTS) and regularly hosts APTS weeks and contributes to its teaching programme. It also participates in

the UK MAGIC group which includes over 20 UK universities and runs a wide range of postgraduate-level lecture courses in mathematics, using Access Grid videoconferencing technology.

All staff offices are equipped with computers running Windows, Linux, or Mac OS X, which are linked to the School's file servers and the University's central computers. The University provides an HPC (High Performance Computing) facility. There are also well-equipped computing laboratories in the School for undergraduate and postgraduate use. The School's Computer Officers are responsible for both hardware and software support, and the School is well served by the Head of Operations and a team of professional support staff. The George Green Library for Science and Engineering, and most of the buildings for Engineering, Science and the Medical School are nearby. The University also has excellent provision for access to online journals and databases.