
THE POST

College/Service: College of Engineering, Mathematics and Physical Sciences
(<http://emps.exeter.ac.uk/>)

Post: Lecturer in Statistical Science (Education and Research)

Reference No: P48036

Grade: F

HERA: LEC

Reporting to: Dean of College

This full-time post is available from 1st August 2015 based in the Department of Mathematics and Computer Science.

The lecturer will be a member of the Statistical Science team in the Department of Mathematics and Computer Science. In addition to strengthening and developing new research and teaching activities, the lecturer will have an unprecedented opportunity for developing research impact by working at least 2 days/week with scientists at the Met Office to provide valuable statistical advice and training. Ideally, this will provide an unprecedented mechanism for developing and demonstrating impact of the lecturer's own research ideas.

Main duties and accountabilities

It is expected that this joint appointment will:

1. Fulfil research, teaching and administration duties at the University as a lecturer in statistical science:
 - a. To extend the research profile of mathematics and related areas at the University, especially in the area of statistics learning, attracting and supervising post doctorate researchers and postgraduate research students.
 - b. To collaborate with colleagues both within the College and the University of Exeter as a whole in order to develop and support mathematics research programmes and the College's research programme.
 - c. To contribute to the general operation of the College as a member of its academic team.
2. Contribute to the enhancement of the statistical skills base of the Met Office:
 - a. To develop and deliver basic statistical training to Met Office science staff, both as standard courses or in a mentoring capacity.
 - b. To provide independent review of statistical approaches in selected pieces of Met Office consultancy work.
 - c. To develop new statistical approaches to solving Met Office customer problems.
 - d. To deliver occasional ad hoc consultancy on behalf of the Met Office.

The lecturer will be expected to regularly spend at least 2 days/week working in at the Met Office under the supervision of the Head of Applied Weather Science.

Research

1. To conduct independent research and act as principal investigator and project leader at the University, and in so doing:

- i. Enhance the College's international reputation through research publications of appropriate quantity and quality, and contribute to worldwide debate at national and international conferences, and
 - ii. Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.
2. To supervise research projects, managing any dedicated research staff and postgraduate research students, and provide the mentorship to enable staff and students to develop their skills and academic careers at the University.
3. To help promote a collegiate working atmosphere and stimulating environment that will attract further research staff of the highest quality as well as good postgraduate research students.
4. To contribute to the further and ongoing development of mathematics research at Exeter, and to support the University's academic partnership with the Met Office.

Teaching

To deliver mainly undergraduate courses to appropriate academic standards such that:

1. Knowledge acquired from research translates to teaching.
2. Students are challenged but also tutored and supported with individual care.
3. Teaching and learning techniques are innovative and inspiring.
4. Students are supervised appropriately.
5. Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately.
6. Module content is continuously reviewed to identify areas for improvement.

General

To contribute to the overall general and academic management in the College by undertaking activities that may be required such as:

1. Developing overall academic content and structure of modules with colleagues.
2. Developing ideas for generating income and promoting both the College in general and mathematics in particular statistics.
3. Supporting admissions processes and procedures.
4. Supporting examinations processes and procedures.
5. Contributing to the work of College committees.
6. Contributing to accreditation and quality control processes.
7. Contributing to strategic planning.

This job description summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility.

Person Specification

The successful applicant will have an independent research programme that will strengthen and complement the existing team at the University. He/she will be able to demonstrate the following qualities and characteristics:

Essential qualifications and skills:

1. PhD or equivalent in statistical modelling;
2. Demonstrated ability to produce and publish excellent research, ideally in an area of environmental statistics related to weather and/or climate science;
3. Competence in the use of programming in preferably more than one statistical language/package, one of which is the R language;
4. Evidence of ability to successfully prepare and teach statistics modules at undergraduate and postgraduate level;

5. Experience of successful engagement and consultancy with industry that demonstrates the ability to innovatively solve problems, plan work with limited supervision, and communicate effectively with non-statisticians.

Other desirable qualities:

1. A strong record in attracting research funding, or demonstrable potential to attract such funding.
2. An active and supportive approach to inter-disciplinary and multi-disciplinary research that will help to foster interactions and links both within the University and externally with the Met Office, other educational bodies, professional institutions and employers.
3. Teamwork ability to both mentor and learn from colleagues, providing expert advice to the level of being able to direct the work of more junior staff.
4. Communication ability to explain work to both specialists and non-specialists alike in written, face-to-face and seminar environments.
5. Ability to demonstrate knowledge of effective means of ensuring quality, including testing strategies and code review.
6. The attitude and ability to engage in continuous professional development.
7. Enthusiasm for teaching statistics via lectures and small group mentoring.

Informal Enquiries

Before submitting an application you may wish to discuss the post further by contacting the Dean of the College, Prof Ken Evans (tel: 01392 723645, email: K.E.Evans@exeter.ac.uk) or Prof David Stephenson, Head of Statistical Science (tel: 01392 725275, email: d.b.stephenson@exeter.ac.uk).

Additional Information Relating to the Post

Salary

The starting salary will be on Grade F, £33,242 to £40,847 per annum, points 32 to 39, subject to knowledge, skills and experience. Progression beyond point 36 is subject to performance in the role.

An increment will be payable on 1 August each year until the top of the scale is reached (subject to being in post for 6 months and satisfactory performance). The scale will be subject to a cost of living review each year.

Hours of work

There are no specific hours of work but staff are required to work such hours as are necessary to carry out the duties associated with the appointment

Annual Leave

The annual leave entitlement for full-time appointments is 41 days per calendar year (pro rata for part-time appointments). For further information see our website <http://www.admin.ex.ac.uk/personnel/leave.shtml>.

Professional Development Programme

New Lecturers at the University of Exeter are appointed to a Professional Development Programme of up to five years providing for progression to Senior Lecturer (grade G), subject to satisfactory performance. Personal goals and objectives will be agreed with the Dean of College to cover the areas of teaching, research, business and community relations, and administration and a structured programme of professional development will be agreed. Further details about the Professional Development Programme can be found at:

<http://www.exeter.ac.uk/staff/employment/academicroles/youteachandresearch/lecturer/professionaldevelopmentprogrammepdp/> together with details of the appropriate targets at:

To view the Sciences target [click here](#).

There will be accelerated incremental progression after three and five years subject to satisfactory performance.

References & Medical Clearance

All appointments are subject to satisfactory reference and medical checks and individuals will be required to complete a medical assessment form before appointment is confirmed. Applicants should note that the University normally contacts referees for short-listed applicants without further advice to applicants. When advising of referees, if they are resident overseas, please ensure you supply fax numbers and/or email addresses enabling us to contact them (if necessary) without delay.

Right to Work in the United Kingdom

If you do not have the right to work in the UK, this appointment will be subject to the University successfully obtaining a Certificate of Sponsorship under the UK's Points Based System for migrant workers and to you obtaining Entry Clearance/Leave to Remain.

For further information, see the Home Office website at <http://www.ukba.homeoffice.gov.uk/>. In particular you are encouraged to undertake a self assessment of your eligibility to work in the UK using the link to www.ukba.homeoffice.gov.uk/pointscalculator.

Terms & Conditions

The Terms and Conditions of Employment can be viewed on line by visiting <http://www.exeter.ac.uk/staff/employment/conditions/terms/>

Pensions

Membership of the Universities' Superannuation Scheme (USS) is automatic provided that you meet the qualifying criteria for membership. The USS is a contracted-out scheme. USS scheme has two sections: Final Salary and Career Revalued Benefits; which section you will be eligible for will depend on any previous membership of USS. An information leaflet concerning the qualification rules for both the sections is enclosed; more detailed information about the USS scheme structure can be found at www.uss.co.uk. **IF you have been in USS before, you are strongly requested to contact the Pay and Benefits Office as soon as you can so that possible membership of the Final Salary benefits section can be investigated.** The University, as your employer, contributes such sums as will be required to maintain the full benefits of the scheme. You may opt out of the scheme; if you wish to do so, you should contact the Pay and Benefits Manager, Mrs Alison Rose (01392 263088/email a.j.rose@exeter.ac.uk) for further information. Further information about Pension Salary Exchange is available from the Human Resources website www.admin.exeter.ac.uk/personnel or from the Pensions Office.

Relocation

You may be able to claim relocation expenses in accordance with the University's Relocation Assistance Scheme. The maximum allowance that you can reclaim under the Relocation Assistance Scheme, if eligible, is 10% of salary.

Short-listing Information

We will acknowledge your application by email. The University of Exeter recognises the time and effort taken to apply for a position and will contact you by email to inform you of results of shortlisting

Application Procedure and Interview Information

The closing date for completed applications is **Tuesday 30th June 2015**.

Data Protection Act (1998)

The information contained within your application is being requested to enable the University to make employment decisions and meet statutory obligations. Any information provided to the University in this context will be treated confidentially and used only by manager(s), member of the University, Human Resources, Superannuation and Payroll during the course of your employment. Where the application relates to a post which is externally funded this information may be passed onto the relevant funding body.