ABOUT LOUGHBOROUGH UNIVERSITY

DEPARTMENT OF MATHEMATICAL SCIENCES

LECTURER IN MATHEMATICS
JOB REF: REQ15836   **NOVEMBER 2015**

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

JOB DESCRIPTION

Job Grade: **Research, Teaching and Enterprise Grade 6/7**

1. Job Purpose

The Department of Mathematical Sciences is seeking to appoint a Lecturer in Mathematics. The appointed candidate will collaborate effectively in a team atmosphere by taking a leading research role in Algebra, Geometry or Algebraic Geometry, and will contribute to enhancing the research, teaching and enterprise activities in the Department of Mathematical Sciences.

Reports to the Head of Department of Mathematical Sciences.

2. Duties and Responsibilities

Research

- To pursue a personal research programme within the field of Algebra, Geometry or Algebraic Geometry.

- To secure external research funding from appropriate funders (e.g. EPSRC, ERC).

- To supervise and manage research projects.

- To publish the outcomes of research in international outlets of the highest quality.

- To seek research links that have the potential for impact case studies.

- To supervise postgraduate research students.

- To participate and contribute to major international conferences.

- To collaborate in research initiatives with colleagues in the Department, School and more widely across the University including with colleagues in the university's *Research Challenges* (http://www.lboro.ac.uk/research/challenges/)

- To collaborate in research initiatives with UK and overseas HEIs and other relevant bodies.

Teaching

- To teach and inspire undergraduate and postgraduate students in mathematics, through lectures, tutorials, seminars and other learning settings, and to undertake necessary academic duties, e.g. module and assessment design and teaching.

- To supervise undergraduate dissertation projects, and to supervise MSc projects in our postgraduate taught courses.

Enterprise

- To create social, cultural and economic impacts from academic, especially research, activity.

- To develop new opportunities for seeing the impact of Mathematics research in the wider world.

Related Activities and Functions

- To work in a collegiate and effective manner with relevant administrative, technical and academic staff in the Department, School and across the University.

- To carry out in a collegiate, efficient and effective manner specific administrative roles and functions as may be reasonably required e.g. Responsible Examiner, Programme Director, Personal Tutor, Admissions Tutor.

- To show potential for leadership across the Department, School and University as requested and at own initiative.

- To promote the Department and its activities (research, teaching and enterprise) widely to extend recognition nationally and internationally and establish fruitful associations.

- To take part in committees within the University.

- To engage in training programmes in the University (e.g. through Staff Development) that are consistent with their needs and aspirations and those of the School.

- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

Other

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

DEPARTMENT OF MATHEMATICAL SCIENCES

PERSON SPECIFICATION

Job Title: Lecturer in Mathematics

Job Grade: Research, Teaching and Enterprise Grade 6/7

	Essential	Desirable	Stage(s) to be assessed
Education	An outstanding educational profile, with a PhD in Mathematics or a related discipline.	Have achieved or be willing to achieve appropriate professional status.	All to be assessed at stage 1
Experience	Active in Mathematics research in Algebra, Geometry or Algebraic Geometry and have published papers in high-quality refereed academic outlets. Experience of presenting research work at relevant conferences.	Experience of securing major research/project funds from competitive external sources. Have international esteem in research and/or developmental activity. Experience of the teaching and assessment of mathematics at undergraduate or postgraduate level. Experience of successfully supervising the projects of taught and research students as demonstrated by primary supervision of a number of PhD student completions.	All to be assessed at stages 1 and 3
General Skills, Abilities and Knowledge	Ability and commitment to take part in module and programme development. Ability and commitment to develop an original research programme on your own initiative and to persuade others of its importance orally and on paper.		All to be assessed at stages 1, 2, 3

General Skills, Abilities and Knowledge (continued)	Ability and commitment to take part in and, where necessary, lead research teams in developing future research strategy. Knowledge of research and enterprise funding opportunities in UK HE and understanding of how to secure funding. Ability and commitment to identify potential social, cultural and economic impacts from professional activity. Excellent communication and IT skills.		All to be assessed at stages 1, 2, 3
Training	Willingness to adopt new procedures as and when required. Demonstrate evidence of having undertaken further training.	Completion of a recognised training programme for academic staff (e.g. PGCAP, or equivalent). Fellowship of the HEA.	All to be assessed at stages 1 and 3
Equality and Diversity	Evidence a good working knowledge of equal opportunities and understanding of diversity in the workplace		1, 3

Stages in Assessment: 1. Application, 2. Presentation, 3. Interview

Conditions of Service

The position is full-time and open-ended. Salary will be on Research, Teaching and Enterprise Grade 6, £34,576 to £37,768 or Research, Teaching and Enterprise Grade 7, £38,896 to £46,414 per annum, at a starting salary commensurate with experience and qualifications.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found at: http://www.lboro.ac.uk/services/hr/a-z/conditions-of-service.html

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at: *http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html*. We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available at: *http://www.lboro.ac.uk/services/hr/a-z/childcare-information---page.html*). In addition, the University is supportive, where operational needs allow, of flexible working arrangements.

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We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. The Department of Mathematical Sciences together with Mathematics Education Centre hold a Silver Athena SWAN award. For further information on Athena SWAN see *http://www.lboro.ac.uk/services/hr/athena-swan*.

Informal Enquiries

Informal enquiries are welcome and should be made to Dr Andrew Archer Head of Department, Senior Lecturer, by telephone on +44 (0)1509 228223, or by email at: A.J.Archer@lboro.ac.uk

Applications

The closing date for receipt of applications is **17 December 2015. Preliminary Skype Interviews, if required during the week commencing 11 January 2016. Candidates will receive notification of this on 8 January 2016. Interviews will take place during the week commencing 25 January 2016**.

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