



## 1 Advertisement

**Post Title:** Lecturer in Mathematics (Teaching & Scholarship)

**School/department:** Mathematical and Physical Sciences

**Hours:** Full time considered up to a maximum of 1.0 fte. Requests for [flexible working](#) options will be considered (subject to business need)

**Contract:** Permanent

**Reference:** A0022

**Salary:** starting at £36,333 to £43,155 per annum, pro rata if part time.

**Placed on:** 02 May 2023

**Closing date:** 22 May 2023.

**Expected Interview date:** Mid-June 2023

**Expected start date:** September 2023 or earlier

**This vacancy is only open to those currently employed by the University.**

### **The University of Sussex invests in Mathematics:**

The Department of Mathematics at the University of Sussex invites applications for the position of Lecturer A (T&S) in Mathematics. Preference will be given to candidates with expertise and teaching experience in one or more of the following areas

- data science
- financial mathematics
- algebra
- foundation year

The successful candidate will be an independent, enthusiastic, and committed academic with a top teaching track record who is a team player and would enjoy working in a young, dynamic and growing department.

As part of the interview process, short-listed candidates will be required to give a teaching presentation of a given topic. The identity of such short-listed candidates will therefore be known to those who attend the presentation and the names of short-listed candidates will have been available to members of the Department of Mathematics. However, applicants may specify at the time of applying that their application should remain confidential throughout the appointing process. Please indicate whether you wish this to be the case for your application, in which case appropriate arrangements to maintain confidentiality will be made.

The Department offers BSc and MMath courses in Mathematics (also with minors), a Foundation Year, and several MSc courses, covering mathematics, finance and data science.

In the 2021 research excellence framework (REF), 98% per cent of our research outputs were classified as world-leading (4\*) or internationally excellent (3\*).

Current research in mathematics at Sussex is grouped into Analysis and Partial Differential Equations, Geometry and Topology, Mathematics Applied to Biology, Mathematical Physics, Numerical Analysis and Scientific Computing and Probability and Statistics.

Please contact Professor Peter Giesl [P.A.Giesl@sussex.ac.uk](mailto:P.A.Giesl@sussex.ac.uk) / 01273 877442 for informal enquiries.

The University is committed to equality and valuing diversity, and applications are particularly welcomed from women and black and minority ethnic candidates, who are under-represented in academic posts in Science, Technology, Engineering, Medicine and Mathematics (STEMM) at Sussex.

For full details and how to apply see our [vacancies page](#)

*The University of Sussex values the diversity of its staff and students and we welcome applicants from all backgrounds.*

**Please note: The University requires that work undertaken for the University is performed from the UK.**

## 2. The School / Division

Please find further information regarding the school/division at [www.sussex.ac.uk/math/](http://www.sussex.ac.uk/math/)

### **3. Job Description**

**Department: Mathematics**

**Section/Unit/School: School of Mathematical and Physical Sciences**

**Location: Falmer, Brighton, UK**

**Grade: 7**

**Responsible to:** Head of School

**Key contacts:** Students, other members of Faculty within the School and University, School Officers.

**Role Description** Lecturer A (T&S) is a developing teaching and scholarship position. Post-holders will be expected to teach in a variety of settings and to develop their own teaching materials, methods, and approaches with guidance.

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#### **PRINCIPAL ACCOUNTABILITIES**

1. To design and deliver high-quality teaching programmes that are attractive to students.
2. To contribute fully to the School and University by playing a significant role in working groups, committees, and other School and University activities.

#### **KEY RESPONSIBILITIES**

##### **1. Teaching & Student Support**

- 1.1 Engage in the planning, delivery, and assessment of innovative high-quality undergraduate and postgraduate teaching, in liaison with the relevant programme and course convenors.
- 1.2 Identify, design, develop and manage new curriculum proposals that are attractive to students.
- 1.3 Develop high-quality inclusive teaching materials, methods, and approaches, take responsibility for their quality, and ensure that they meet defined learning objectives.
- 1.4 Ensure that teaching materials remain up-to-date and relevant, incorporating advances in the subject area into the course of study, and utilising appropriate technology.
- 1.5 Set, mark, and assess coursework and examinations; select appropriate assessment instruments and assessment criteria, and provide constructive and comprehensive feedback to students.

- 1.6 Undertake continuous professional development to maintain an understanding of appropriate pedagogy in the subject area.
- 1.7 Supervise the work of undergraduate and taught postgraduate students, providing advice on study skills.
- 1.8 Contribute to the accreditation of courses and quality-control processes.
- 1.9 Undertake and complete administrative duties required in the professional delivery of teaching.
- 1.10 Undertake academic advising duties, and provide first-line support for sensitive issues, referring on as appropriate to services providing further assistance.
- 1.11 Adopt an approachable and accessible attitude towards students, offering office hours, informal advice etc.

## **2. Research and Scholarship**

- 2.1 Reflect on practice and the development of own teaching and learning skills.

## **3. Contribution to School & University**

- 3.1 Attend and contribute to School meetings.
- 3.2 Engage in activities beyond day-to-day teaching duties, for example Admissions Days.
- 3.3 Assist with undergraduate and postgraduate recruitment.
- 3.4 Play a key role in School or University working groups or committees, as required.
- 3.5 Undertake additional administrative duties, as required by the Head of School.

## **4. Role-specific duties**

- 4.1 Engage in the planning, delivery, and assessment of courses.
- 4.2 Contribute to dissertation supervision of students.

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or level of responsibility entailed.

## **INDICATIVE PERFORMANCE CRITERIA**

- A record of improvement or development of new modules.
- Proven and sustained track record of successful teaching at the levels appropriate for the post.
- A high standard of teaching performance as judged by standard evaluation methods.
- Evidence of using feedback information from a range of sources to improve the student experience.
- Evidence of using knowledge arising from research and scholarship to enhance teaching and curriculum development.
- Evidence of engagement in advising students and proactively responding to student problems.
- Evidence of successful undergraduate and postgraduate masters dissertations.

## **PERSON SPECIFICATION**

### **ESSENTIAL CRITERIA**

1. Normally educated to doctoral level, or other equivalent qualification, or appropriate level of experience, as appropriate to the discipline.
2. Excellent interpersonal skills, with the ability to engage with students using a variety of different methods.
3. Experience of teaching at undergraduate and taught postgraduate level.
4. Excellent presentation skills, with the ability to communicate effectively, both orally and in writing, with students, colleagues, and external audiences.
5. Ability to work individually on own initiative and without close supervision, and as part of a team.
6. Ability to exercise a degree of innovation and creative problem-solving.
7. Excellent organisational and administrative skills.
8. Ability to prioritise and meet deadlines.
9. A willingness to participate in support activities beyond normal classroom duties.
10. Excellent IT skills, with the ability to produce high-quality learning support materials.

### **DESIRABLE CRITERIA**

1. Experience of successful module design or re-design.
2. A recognised higher education teaching qualification.
3. Experience of supervising undergraduate and/or postgraduate taught dissertations.