

RESOURCING/

JOB DESCRIPTION:

Lecturer in Mathematics



Ref Number:	CEMS-050-21
Salary Scale:	Grade 7: £34,804 - £39,152 per annum Grade 8: £41,526 - £48,114 per annum
Contract:	Ongoing AND Full-time
School/Department:	School of Mathematics, Statistics and Actuarial Science
Location:	University of Kent, Canterbury Campus
Responsible to¹:	Head of School or nominee
Expected start date:	01 August 2021

Are you passionate about researching and teaching Algebra (interpreted in a wide sense) and would you like to develop in a friendly, internationally recognised, supportive environment? Then why not join the School of Mathematics, Statistics and Actuarial Science (SMSAS) at the University of Kent?

The Role

Our school is seeking to recruit a Lecturer in Mathematics to start on 1 August 2021 or later by agreement. The successful candidate will join our Mathematics group which currently consists of 17 permanent academics. The Mathematics group has a broad range of research interests which include Algebra, Analysis, Integrable Systems, Mathematical Physics, and Topology.

The School of Mathematics, Statistics and Actuarial Science has a rich research and teaching culture in Mathematics and Statistics. It has a vibrant Mathematics group that holds several major grants from EPSRC. It runs active research seminar series on diverse topics in Mathematics, and regularly hosts international conferences and workshops. The School is located in the purpose-built Sibson Building, which provides modern workspaces for research, teaching and collaboration.

The Mathematics group has a strong reputation for world-leading research in Algebra, specialising in Representation Theory, Invariant Theory, Poisson Geometry and Quantum Groups, and Algebraic Topology. We invite applications from outstanding researchers who would like to further develop our world-class research environment within our friendly and inclusive community. We welcome candidates with research interests that complement or enhance the Algebra group's existing research strengths.

¹ Line Manager may be subject to change and will be confirmed in the employment contract issued to the successful candidate.



The post holder will also be expected to make a strong contribution to teaching and administration within the Mathematics group in the school. They will be expected to participate in the development and delivery of all our existing programmes. They will inspire our students through enthusiastic teaching in our collaborative environment.

The SMSAS is widely recognised for promoting equality and diversity in mathematical sciences and statistics and currently holds an Athena SWAN Silver Award. The University of Kent holds a Teaching Excellence Framework (TEF) gold award, and Mathematics/Statistics at Kent is ranked the 26th in the UK by the Complete University Guide in 2021.

We particularly welcome applications from female candidates as they are under-represented at this level in the school.

Full details about teaching in the School can be found on our website: www.kent.ac.uk/smsas

Key Accountabilities / Primary Responsibilities

- Undertake teaching of both undergraduate and postgraduate students, including the development of new modules and providing support for student learning.
- Develop and extend your existing successful research career, writing research papers of the highest quality and securing external funding.
- Collaborate with colleagues in the School on course development, delivery and assessment, taking on appropriate management and administrative responsibilities.

Key Duties

The principal duties and responsibilities of the successful candidate will be as follows:

Teaching

- Deliver teaching to achieve the highest standards of student experience in a variety of settings from small tutorial groups to large lectures.
- Develop excellent teaching and learning support material across a range of modules.
- Set and mark assessments and examinations, providing timely feedback to students in a way that helps them develop their knowledge and skills.
- Supervise undergraduate and postgraduate students undertaking project work.
- Collaborate with academic colleagues on course delivery, development and curriculum changes.
- Provide pastoral support to students.

Research and Innovation

- Undertake research of the highest quality within the Mathematics group to enhance the University's next REF submission.
- Generate funding to sustain your research from appropriate external sources such as Research Councils and other funding bodies.
- Build a research programme with research students and post-doctoral researchers.



- Publish in the most prestigious journals.
- Exploit opportunities to engage with industrial, commercial, governmental and charitable organisations to gain innovation funding, transfer knowledge and create impact.
- Develop collaborations with colleagues nationally and internationally to enhance research opportunities.

Administration

- Take on appropriate administrative and management responsibilities.
- Assist in meeting the requirements for the monitoring of teaching, learning and research, as prescribed by the University and external bodies.
- To help with other tasks relating to the running of the subject as they arise.
- To participate in recruitment and outreach activities of the School.

Such other duties, commensurate with the grading of the post that may be assigned by the Head of Department or their nominee.

Health, Safety & Wellbeing Considerations

This role involves undertaking duties which include the Health, Safety and wellbeing issues outlined below. Please be aware of these, when considering your suitability for the role.

- Regular use of Display Screen Equipment

Internal & External Relationships

Internal: University of Kent students and staff (academic and professional services)

External: Professional bodies, placement supervisors and prospective students and their families, funding bodies, potential research and enterprise partners, research colleagues.

Person Specification

The Person Specification details the necessary skills, qualifications, experience or other attributes needed to carry out the job. Please be aware that your application will be measured against the criteria published below.

Selection panels will be looking for clear evidence and examples in your application, or in your cover letter where applicable, which back-up any assertions you make in relation to each criterion.

Qualifications / Training	Essential	Desirable	Assessed via*
PhD in Mathematics	✓		A,I
A relevant teaching qualification (such as a PGCHE)		✓	A



Experience / Knowledge	Essential	Desirable	Assessed via*
Possess sufficient breadth or depth of specialist knowledge in the discipline to work within established teaching programmes	✓		A,I
Understanding of equal opportunity issues as they may impact on academic content and issues relating to student need	✓		A,I
Teaching experience relevant to HE, including development of materials		✓	A,I
Research experience in a thematic area aligned to Algebra (interpreted in a wide sense) and recent track record of publication in leading international journals	✓		A,I
An understanding of the UK's funding landscape and a plan for developing research income	✓		A,I

Skills / Abilities	Essential	Desirable	Assessed via*
Excellent interpersonal, presentation and communication skills	✓		I,T
Ability to engage the interest and enthusiasm of students and inspire them to learn	✓		I,T
Ability to make a strong contribution to the research undertaken in the School in an area relevant to Algebra	✓		A,I,T

Additional Attributes	Essential	Desirable	Assessed via*
Evidence of, and a personal commitment to developing, excellence in both teaching and research	✓		I
Willingness to contributing fully and flexibly as part of the School of Mathematics, Statistics and Actuarial Science team	✓		I
Willingness to engage in continuous professional development	✓		I

***Criterion to be assessed via:**

- A = application form or CV/cover letter**
- I = interview questions**
- T = test or presentation at interview**

