University of St Andrews

School of Mathematics and Statistics

Associate Lecturer in Applied Mathematics (Education Focused)



University of St Andrews

Introduction



"Our remarkable students and staff are the lifeblood of St Andrews. It is their energy, vision and momentum [we] aim to support, to free them to use knowledge, ideas, and potential for the benefit of all." The Principal, Professor Sally Mapstone

Founded in 1413, the University of St Andrews is Scotland's first university and one of the oldest in the English-speaking world. With more than 600 years of academic excellence, we are proud of our reputation as a world-class centre for learning, teaching, and research.

St Andrews is a close-knit, international community set in a beautiful historic town on Scotland's east coast. Our students and staff come from over 140 countries, creating a diverse and globally minded environment. We strive to create an inclusive culture in which all can flourish, and the University has attained several diversity awards, including those related to race and gender equality, and support for carers, which demonstrate our commitment to this ambition. The University is consistently ranked among the UK's top institutions for student satisfaction, research quality, and teaching excellence.

We are a research-intensive university where creativity, collaboration, and critical inquiry are at the heart of everything we do. Whether you are joining us in an academic, professional, or support role, you will be part of a team committed to delivering outstanding education and making a meaningful contribution to society.

For those looking to be part of a university with deep-rooted heritage, a global outlook, and a forward-thinking approach, we invite you to consider joining our community at the University of St Andrews.

University of St Andrews

School of Mathematics and Statistics

The School of Mathematics and Statistics is dedicated to pursuing world class research in its areas of expertise, delivering top class education to its students, and maintaining a friendly professional environment conducive to these goals. We have 50 permanent members of academic staff and 11 permanent support staff. We also currently have 30 research staff and 50-60 PhD students, including some jointly supervised with other Schools, including Biology, Medicine and Computer Science.

The School comprises three divisions: Applied Mathematics, Pure Mathematics and Statistics, reflecting our broad coverage of the subject and the portfolio of courses and degrees we offer. At the undergraduate level, we offer BSc and MMath degree courses in Mathematics and Statistics with a range of specialisations, and a great variety of joint degrees offered in collaboration with other schools. Our students come with the highest qualifications and are taught in moderate to small classes, especially in higher-level modules. We pride ourselves on the quality of our teaching: our undergraduate programmes are highly rated in all the national league tables, routinely coming within the top five in the UK and top in Scotland. Most of our advanced (Level 5) modules reflect our research expertise and interests. Our undergraduates are highly employable in a variety of professions, including a significant proportion each year who enrol for PhD studies at St Andrews or elsewhere.



University of St Andrews

School of Mathematics and Statistics

At Masters level we offer a range of MSc programmes, including an MSc Mathematics which attracts a small cohort of strong students who select from our wide range of modules informed by our research interests, and an MSc Mathematical Biology informed by the research interests of the Mathematical Biology Group. The MSc Mathematical Biology prepares students for a diverse range of careers in industry or in research, with a number of focused themes that inform student module choice.

Our research activity is broadly reflected in our research groups: Mathematical Biology, Solar and Magnetospheric Theory, Vortex Dynamics, Analysis, Algebra and Combinatorics, Geometry, Ecological Statistics, Statistical Methodology and Machine Learning, Statistical Medicine and Molecular Biology, and the History of Mathematics. Over 98% of research carried out by the School of Mathematics and Statistics at the University of St Andrews is world-leading or internationally excellent, according to the results of the Research Excellence Framework (REF 2021).

Teaching duties for one of the posts will primarily fall within Mathematical Biology. You would join a small cohort of seven Education Focused staff in the School. Up to 20% of your time will be allocated to research and/or scholarship or other ongoing professional development activities.

Further information about the School of Mathematics and Statistics at St Andrews can be found at https://www.st-andrews.ac.uk/mathematics-statistics/.



University of St Andrews

Job Description

Reporting to:	Head of School
Location:	School of Mathematics and Statistics
Job Family:	Academic Teaching
Working Hours:	Full time, 36.25 hours per week (part-time hours would be considered)
Grade/Salary Range:	Grade 6, £38,784 - £46,049 per annum *(pro rata for part time)*
Reference Number:	AOAC2873XXSB
Start Date:	As soon as possible
Interview Date:	10 and 11 December 2026
Duration of post:	Fixed term until 31 August 2027

Main Purpose of the Role

You will take responsibility for teaching applied mathematics modules offered by the School (at all levels) and for the assessment of students taking these modules. You will also be responsible for the supervision of final-year undergraduate projects and summer MSc dissertations. For one of the appointments teaching will primarily be within mathematical biology modules, with project and dissertation supervision informed by mathematical biology research interests.

University of St Andrews

Key Responsibilities

1. Deliver lectures, seminars and tutorials and computing laboratory classes to sub-honours and honours students in applied mathematics
2. Devise and assess coursework and examinations for undergraduate and postgraduate classes, and provide feedback to students
3. Deliver specialist modules at honours, with the opportunity to contribute at postgraduate levels related to your own research interests, which will lie in mathematical biology for at least one of the posts
4. Supervise and examine final year projects in areas related to your own research interests, which will lie in mathematical biology for at least one of the posts, with an opportunity to input to supervision of Masters dissertations.
5. Engage in research or scholarship in ways that enhance your teaching of mathematics
6. Undertake administrative roles as required by the Head of School
7. Participate in committees and working groups within the School, the Faculty and the University as may be required

Please note that this job description is not exhaustive, and the role holder may be required to undertake other relevant duties commensurate with the grading of the post. Activities may be subject to amendment over time as the role develops and/or priorities and requirements evolve.

University of St Andrews

Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Education & Qualifications (*technical, professional, academic qualifications and training required)*	Hold or be near to completion of a PhD in applied mathematics or a closely related discipline		Application/ Certificates
Experience & Knowledge (*examples of specific experience and knowledge sought*)	Experience of teaching to undergraduate students Experience of applying relevant teaching techniques and methods to a wide range of learners For one of the positions: Specialised knowledge in an area of mathematical biology	Teaching experience at all levels of the curriculum in applied mathematics Experience of supervision of small groups or of individual students Relevant research experience that can be used to inform teaching of mathematics	Application/ Presentation/ Interview/ References

University of St Andrews

Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Experience & Knowledge (*examples of specific experience and knowledge sought*)		Some knowledge of issues and challenges facing universities in such areas as curriculum design, course assessment, quality assurance, enhanced student experience etc	Application/ Presentation/ Interview/ References
Competencies & Skills (*e.g. effective communication skills, initiative, flexibility, leadership etc*)	Ability to communicate complex, theoretical and technical material in an engaging and intelligible way to student audiences Commitment to excellent pedagogy Collegiality/ willingness to work in a collaborative environment	Good knowledge of Python and/or other relevant programming languages Ability to enthuse students of mathematics and statistics Ability to engage in academic leadership, management and planning	Interview/ Presentation/ References

University of St Andrews

Person Specification

Attributes	Essential	Desirable	Means of Assessment (i.e. application form, interview, test, presentation etc.)
Competencies & Skills (*e.g. effective communication skills, initiative, flexibility, leadership etc*)	Administrative and IT skills appropriate for efficient and effective delivery of teaching and supervision	Ability to take on administrative activities which support the delivery and enhancement of teaching	Interview/ Presentation/ References

University of St Andrews

Benefits

St Andrews offers more than just a place to work—it is a place to belong. We value collegiality, inclusion, and wellbeing, and we are committed to creating a workplace where staff can thrive and perform at their best.

In addition to the salary on offer for this position, there are a wide range of benefits for staff working at the University of St Andrews. The package for the Associate Lecturer in Applied Mathematics (Education Focused) includes:

- Financial contribution to relocation (subject to eligibility)
- Membership of the USS Pension Scheme with a generous employer contribution of 14.5%
- A hybrid working environment, including partial homeworking where appropriate and a range of family friendly policies, supporting work-life balance
- Staff discount scheme for local and national goods and services
- Free staff parking, employee Carshare and Cycle to Work Schemes and subsidised local bus travel
- Subsidised sports membership, reduced tuition fees on degree programmes for staff, access to training and development opportunities including LinkedIn Learning, access to library facilities, salary sacrifice scheme
- 34 Days Annual Leave plus 5 Public Holidays.



University of St Andrews

How to Apply



We are committed to creating an accessible, fair and inclusive recruitment process for all candidates. If you require reasonable adjustments or accommodations during the application or interview process then please let us know and we will be happy to discuss support with you.

We encourage applicants to apply online at www.vacancies.st-andrews.ac.uk/welcome.aspx

If you have difficulties in completing the online application form, then please call +44 (0)1334 461990 or contact vacancies@st-andrews.ac.uk to discuss available support.

Applications should consist of:

- Letter of application (to include an indication of whether you wish to be considered for the general position only, or also for the position specialising in mathematical biology).
- CV
- Names and contacts of three referees

For all applications, please quote ref: AOAC2873XX

The University of St Andrews is a charity registered in Scotland (No SC013532).

University of St Andrews

Equality, Diversity & Inclusion

At St Andrews, we see diversity as a strength and value the rich variety of backgrounds, identities and experiences of our staff, students and alumni. We are committed to making the University a beacon of inclusivity and creating an environment where everyone can flourish and realise their potential.

We will achieve this through an approach that empowers our whole community and involves a determined shift in culture. Inclusivity will inform all of our policies and practices. The Principal, Professor Sally Mapstone

Diverse is a core theme of the University Strategy, and alongside our People Strategy, outlines a number of actions we are taking to create an inclusive culture. Our objectives include raising awareness of diversity events, initiatives and support, strengthening support for staff networks, creating more opportunities for employees to engage in consultations and discussions, offering a diverse range of rewarding career pathways and ensuring a working environment which supports positive working practices and behaviours.

We commit to providing a high-quality staff experience which enables all our staff to contribute, thrive, and perform at their best. By joining us at the University of St Andrews, you are joining a community which values difference, being your authentic self, and where you can play an active role in ensuring an inclusive environment for all.



University of St Andrews

St Andrews

A modern location surrounded with ancient history, St Andrews is a dynamic and friendly town found on the east coast of Scotland. Situated in the Kingdom of Fife, St Andrews has easy links to nearby commuter towns and transport links (including airports) to the nearby cities of Dundee (13 miles) and Edinburgh (c. 1 hour by train).

Beyond the lecture halls and labs, St Andrews is home to stunning, unspoilt beaches and fresh sea air. Take a peaceful stroll or an energising walk with friends along the iconic two-mile stretch of the West Sands. If you prefer the water, ride the waves at the East Sands or try sailing, sea kayaking and windsurfing. For breathtaking views, a walk to the end of the stone pier is an experience not to be missed.

St Andrews and the surrounding area is home to a wide range of restaurants and shops, while boasting an array of beautiful beaches. St Andrews is also the home of golf and there are seven local courses including the famous Old Course.

Fife is an area filled with history and culture. There are nearly 5,000 listed buildings and 50 conservation areas across the Kingdom, with some historic structures dating all the way back to the 12th century. St Andrews enjoys a microclimate and is typically much drier than western parts of the country.



University of St Andrews

Further Information

The University encourages all interested candidates to apply, and all applications received are assessed against the essential and desirable criteria listed in the further particulars. The successful candidate will have to demonstrate their right to work in the UK prior to commencing employment and where required, obtain the right to work in the UK.

Information on other visa options is available at https://www.gov.uk/check-uk-visa or by contacting our HR Immigration Team on hrimmigration@st-andrews.ac.uk.

You are expected to uphold a duty of care towards colleagues, students, and communities, and to actively contribute to a safe, respectful, and inclusive environment. This includes responding appropriately to disclosures or reports of sexual misconduct, gender-based violence, bullying, harassment, or other concerns, in line with organisational policies, and signposting individuals to the appropriate departments




University of
St Andrews