POSITION DESCRIPTION

Position Title: Lecturer/Senior Lecturer in Mathematics, Statistics or Data Science
Organisation Unit: School of Mathematics and Physics
Position Number: 3023810
Type of Employment: Full time continuing position
Classification: Academic Level B or Level C

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (42), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 52,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 15,400 international students from 135 countries, adding to its proud 250,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $1.75 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and
The Discipline of Mathematics is located in the School of Mathematics and Physics. It is the leading provider of tertiary mathematics and statistics education in Queensland. Undergraduate programs offered are BMath, BSc and BSc with Honours, BA and BA with Honours. Coursework degrees (MSc, MDataSc, MFinMath) and research degrees (MPhil and PhD) are offered at postgraduate level.

The Discipline is internationally recognised for its research excellence and hosts a number of first class research centres. Research is carried out at the cutting edge across a broad spectrum of areas in mathematics and statistics.

The position is based at the St. Lucia campus of The University of Queensland, one of the most spacious and attractive university campuses in Australia. The campus is centrally located near major public transport routes.

Details of the research interests of academic staff may be accessed on the school’s web site at http://www.smp.uq.edu.au/

Information for Prospective Staff

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - http://www.uq.edu.au/current-staff/working-at-uq

The University of Queensland Enterprise Agreement outlines the position classification standards for Levels A to E.

DUTY STATEMENT

Primary Purpose of Position

The School seeks to recruit a staff member with a developed research program in mathematics or statistics as demonstrated by significant publications. Areas of current strategic interest to the school include Data Science, Numerical & Computational Mathematics, Financial Mathematics and Statistics, but applicants from any area of mathematics or statistics are encouraged to apply. The appointee will be required to engage in undergraduate and postgraduate teaching and curriculum development, including service courses. In addition, the appointee will supervise postgraduate and honours students, conduct high-quality research and perform administrative, outreach and other activities associated with the School.
The University of Queensland is a family friendly workplace and offers a number of flexible work options to help staff balance their responsibilities at work and at home. Further information can be found here.

**Duties**

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**

*Level B and C*

- Teach and coordinate undergraduate and/or postgraduate courses in mathematics or statistics, including courses for students undertaking programs outside the mathematical sciences.
- Develop and enhance course materials
- Teach and supervise at honours and postgraduate level
- Where appropriate teach subjects in flexible delivery mode, including the development of online material
- Consult with students
- Provide support for other positions during absences

*Level C*

- Develop curricula and/or coordinate a significant aspect of a program within the School

**Research**

*Level B and C*

- Develop and maintain a research program, including taking a chief investigator role in applications for external funding
- Publish scholarly papers
- Develop collaborative research links with other Disciplines, Centres, Schools and Faculties in the University
- Present research results at international and national meetings
- Work with colleagues and postgraduates in the development of joint research projects

*Level C*

- Undertake independent research
- Obtain and manage externally funded research projects as a chief investigator
- Develop an international research profile in a field of mathematical science
**Service and Engagement**

*Level B and C*

- Perform a range of administrative functions in the School and wider University
- Contribute to the processes that enable the academic team to manage the work of the School, including participation in School decision-making and serve on School committees
- Foster the School’s relations with industry, government departments, professional bodies and the wider community
- Any other duties as reasonably directed by your supervisor

*Level C*

- Make a strong contribution to external service roles
- Effectively perform higher-level internal service roles

**Other**

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:

- the [University's Code of Conduct](#)
- requirements of the Queensland occupational health and safety (OH&S) legislation and related [OH&S responsibilities and procedures](#) developed by the University or Institute/School
- the adoption of sustainable practices in all work activities and compliance with associated legislation and related University [sustainability responsibilities and procedures](#)
- requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related [responsibilities and procedures](#) developed by the University

**Organisational Relationships**

The position reports to the Head of School.
SELECTION CRITERIA

- A PhD or equivalent in mathematics, statistics or a closely related discipline, with an established record of outstanding original research commensurate with career stage. *Applicants should address how their research complements and supplements our current research strengths.*
- Demonstrated ability or potential for coordinating and lecturing courses at undergraduate and postgraduate levels, including courses for non-specialist students.
- Demonstrated ability or potential to collaborate with staff from other disciplines to design and teach service courses.
- A strong publication record and potential or demonstrated ability to attract external research funding.
- Demonstrated ability or potential to establish effective professional relationships and to represent and promote the academic discipline at a university and wider community level, including industry, government and professional bodies, as well as to contribute to internal and external service.
- Demonstrated ability or potential to effectively supervise Honours, Masters and RHD students.

**Additional Selection Criteria for Level C**

- Applicants should have a record of significant contribution to teaching as demonstrated for example through coordination of a school-wide activity (e.g. major) or development of courses.
- Applicants should have a record of significant grant success and an extensive publication record.
- Candidates should have a record of effective principal supervision of RHD students.

**Seminar & Lecture**

Applicants invited for interview will be expected to present a seminar and a short undergraduate-style lecture as part of the selection process.

**Qualification Verification**

An appointment to this position is subject to the verification of the highest academic qualification from the conferring institution.

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University’s Diversity and Inclusion webpage (http://www.uq.edu.au/equity) for further information and points of contact if you require additional support. Applications are particularly encouraged from women.

This role is a full-time position; however flexible working arrangements may be negotiated.

Accessibility requirements and/or adjustments can be directed to the contact person listed in the job advertisement.