POSITION DESCRIPTION

Position Title:  Lecturer in Mathematics, Statistics or Data Science
Organisation Unit:  School of Mathematics and Physics
Position Number:
Type of Employment:  Full-time, continuing
Classification:  Academic Level B (Teaching and Research)

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 Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (45), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). UQ again topped the nation in the prestigious Nature Index, and our Academic Ranking of World Universities result in the field of Life and Agricultural Sciences is the highest in Australia at 20.

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 50,000-plus strong student community includes more than 13,000 postgraduate scholars and more than 12,000 international students from 144 countries, adding to its proud 240,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.8 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 biomedical sciences,
sustainable minerals, bioengineering and nanotechnology, as well as social science research.
UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11billion+ (see http://uniquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

Organisational Environment

The School of Mathematics and Physics is part of the Faculty of Science at the University of Queensland. 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 dynamic staff member with a developed research program in mathematics, statistics or data science as demonstrated by significant publications. The position is required to engage in both specialist and service teaching at undergraduate and postgraduate levels as well as curriculum development. In addition the applicant will be required to supervise postgraduate and honours students, conduct high-quality research and perform administrative, outreach and other activities associated with the School.

Duties
Duties and responsibilities include, but are not limited to:

Teaching and Learning
- Teach both specialist and service mathematics courses at an undergraduate and postgraduate level, as required.
• Develop and enhance course material and collaborate in curriculum design.
• Coordinate courses and collaborate in curriculum design.
• Supervise at honours and postgraduate level.
• Where appropriate teach subjects in flexible delivery mode, including the development of online lectures.
• Consult with students.
• Provide support for other positions during absences.

Research
• Develop and maintain a research program, supported by external funding.
• Conduct research and publish results of their research in high-quality international journals and other appropriate refereed outlets.
• Develop collaborative research links with other Disciplines, Centres, Schools and Faculties in the University.
• Work with colleagues and postgraduates in the development of joint research projects.
• Participate in academic life of the School and Discipline, including presenting results of their research at international and national meetings and seminars.
• Actively seek and secure external funding through ARC, other funding agencies and commercial links.

Service and Engagement
• Perform a range of administrative functions in the School, commensurate with experience and level of appointment.
• Contribute to the processes that enable the academic team to manage the work of the School, including participate 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.

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, Professor Joseph Grotowski, Head, School of Mathematics and Physics.

SELECTION CRITERIA

- A PhD or equivalent in mathematics, statistics or data science 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.

- An established publication record and potential or demonstrated ability to attract collaborative and highly competitive research grants.

- Demonstrated high-quality teaching and supervisory experience at undergraduate and postgraduate levels.

- Demonstrated ability or potential for effectively developing, lecturing and coordinating mathematics courses, including service courses.

- Demonstrated ability or potential to interact with staff from other disciplines to design and teach service courses.

- Demonstrated record of active participation in academic administration and service roles commensurate with career stage.

- An ability to establish effective relationships and to represent and promote their academic discipline at a university and wider community level, including industry, government and professional bodies.

Please refer to the Criteria for Academic Performance policy PPL 5.70.17 when developing the duties and selection criteria for academic roles

Seminar

Applicants invited for interview may be expected to present a seminar in conjunction with the selection interview 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.

Applications are particularly encouraged from Aboriginal and Torres Strait Islander peoples. For further information please contact our Australian Indigenous Employment Coordinator at: atsi_recruitment@uq.edu.au

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 Human Resources Services - science.hr@uq.edu.au