POSITION DESCRIPTION

Position Title: Lecturer in Mathematics or Statistics
Organisation Unit: School of Mathematics and Physics
Position Number: 3035413
Type of Employment: Fulltime, Continuing
Classification: Academic Level B

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 (52), QS World University Rankings (47), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (65). UQ again topped the nation in the prestigious Nature Index and our Life Sciences subject field ranking in the Academic Ranking of World Universities was 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 part of the School of Mathematics and Physics. It is the leading provider of tertiary mathematics and statistics education in Queensland. Undergraduate programs offered are the BMath, BSc, BA and BAdvSc and associated Honours programs. Coursework degrees (MSc, MDataSc, MFinMath) and research degrees (MPhil and PhD) are offered at postgraduate level.

Mathematics at UQ is internationally recognised for its research excellence and hosts a number of leading 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.

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.

DUTY STATEMENT

Primary Purpose of Position

The School seeks to recruit two staff members with strong records in the effective teaching of mathematics at a University level. Each appointee is required to engage in both specialist and service teaching at undergraduate levels and make a significant contribution to the development and delivery of our programs. They will have a particular focus on first year mathematics or statistics education, and will participate in, and lead, the development of teaching resources. In addition, the successful applicants will be required to 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, including online resources.
- Coordinate courses and collaborate in curriculum design.
- Supervise students at honours and Masters level.
- Consult with students.
- Provide support for other positions in the discipline during absences.
- Each of the two positions will have a specific role in coordinating and developing a particular aspect of our mathematics and statistics delivery.
  - Position one will have the role of first-year coordinator, with responsibility for ensuring that our offerings align with latter-year courses in the mathematical sciences, as well as liaising with client disciplines to ensure our courses align with their program requirements. The position will also entail transition-to-tertiary responsibility, in particular, developing and leading the delivery of targeted tutorials and other resources for at-risk cohorts.
  - Position two will be in charge of tutor development, training and coordination, and will have a significant role in ensuring that tutorial resources being developed for our courses - both digital and non-digital - align with best practice and the needs of diverse student cohorts.

**Scholarship of Teaching and Learning**
- Undertake and communicate the outcomes of teaching and learning initiatives and innovations.
- Develop a national profile in mathematics teaching innovation.
- Seek both internal and external support for the development of teaching and learning initiatives.
- Develop collaborative teaching and learning links across and beyond the University, inside and outside of the specific teaching discipline.

**Service and Engagement**
- Perform a range of administrative functions in the School of Mathematics and Physics.
- 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.

**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 Professor Joseph Grotowski, Head, School of Mathematics and Physics.
SELECTION CRITERIA

- PhD or equivalent in mathematics, statistics or a closely related area.
- Demonstrated high-quality university teaching and coordinating skills in mathematics or statistics.
- Evidence of willingness and ability to deliver high-quality large-enrolment courses, including online and blended modes of delivery, to students from a range of quantitative disciplines.
- Ability to carry out a significant teaching and learning role such as first-year program coordination, discipline tutorial coordination, or developing and delivering material targeted to at-risk students.
- Evidence of the ability to bring together discipline expertise and pedagogical content knowledge to achieve improved outcomes for student learning: for example, suitable publications, teaching grants or engagement in significant teaching innovations.
- A record of active participation in academic administration and service roles, and the ability to work collaboratively with colleagues.

Seminar

Applicants invited for interview may be expected to present a seminar and a short undergraduate-style lecture 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 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.

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