POSITION DESCRIPTION

Position Title: Lecturer/Senior Lecturer in Biometry
Organisation Unit: School of Agriculture and Food Sciences
Type of Employment: Full time, Continuing
Classification: Academic Level B/C
Location: Gatton campus

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 (60). 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 Faculty of Science is an internationally recognised provider of world-class education and research. A research-intensive Faculty, with a gross budget in excess of $300M, employs approximately 1,500 continuing and fixed-term staff and teach around 6,000 full-time equivalent coursework students (EFTSL).

The Faculty teaches agriculture, biology, chemistry, earth sciences, food sciences, geography, marine science, mathematics, physics, planning, both environmental sciences and management and veterinary science, to undergraduate and postgraduate coursework students enrolled in a range of degree programs including science, engineering and health and medicine. The Faculty provides the community with the next generation of professionals and graduates who are sufficiently scientifically literate and numerate to be effective in understanding, managing and addressing complex problems, including those in energy, food supply, health, environment and sustainability.

Research conducted in the Faculty of Science includes fundamental research across a wide range of scientific disciplines and a vibrant portfolio of applied research, well linked to industry and government, particularly in its areas of Agriculture and Food Sciences, Geography and Earth Sciences, Ecology and Environment, and Veterinary Sciences.

The Faculty comprises six Schools: Biological Sciences, Earth and Environmental Sciences, Agriculture and Food Sciences, Chemistry and Molecular Biosciences, Mathematics and Physics, and Veterinary Science.

School of Agriculture and Food Sciences

The School of Agriculture and Food Sciences is Australia’s most diversified agriculture research and teaching School, comprising research and teaching experts in agribusiness and the science disciplines of animals and wildlife, plants and soil sciences, food and nutrition science. With nearly 350 staff, 300 higher degree research students and over $33 million in operating and research income, the School has helped UQ to become recognised as the world’s top ranked tropical agriculture university, and the leading agriculture university in Australia.

Located at St Lucia and Gatton, the School is a large and dynamic multidisciplinary hub focused on applied research and teaching within the Faculty of Science committed to finding innovative and technology focussed solutions to global challenges. The School offers a range of undergraduate postgraduate coursework and research degrees encompassing agriculture and related disciplines ranging from Bachelor Degree to Doctorate.

With a diverse group of internationally regarded scientists, the School hosts six research concentrations, of which three are aligned with the Queensland Alliance for Agriculture and Food Innovation – a joint initiative between The University of Queensland and the Queensland State Government. Quality laboratories and facilities and strong partnerships with industry, community and government bodies, provide an environment that enables world
class research and research training in a collaborative and cooperative spirit for postgraduate students and researchers.

**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](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**

This position is responsible for undertaking teaching, course coordination and program development, research and consulting in the area of applied statistics in the area of biological sciences.

**Duties**

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**

- Coordinate courses, prepare and deliver lectures and undertake assessment and marking for undergraduate courses on topics in Biometry, via both internal and external delivery modes.
- Prepare and supervise laboratory-based practicals in Biometry.
- Initiate the development of new course material, applying research and scholarship. Participate in educational practice and innovative curriculum design including online learning and alternative teaching methods. Maintain and improve the quality of courses as measured through evaluation instruments to meet industry, educational and quality standards.
- Participate in program and course development activities in the School, including consulting with program advisors and stakeholders to ensure courses are engaging, relevant and contemporary.
- Supervise postgraduate research and teach and supervise research Honours and postgraduate coursework students.

**Research**

- Develop a research program in the School of Agriculture and Food Sciences.
- Conduct research and publish scholarly papers in both academic peer-reviewed and professional journals that contribute to the School's strategic research strengths.
- Develop a national and international research profile supported by external funding.
- Work with colleagues and postgraduates in the development of joint research projects.

**Service and Engagement**
- Create, foster and enhance national and international links with relevant industry, government departments, universities, professional bodies and the wider community to assist the advancement of University, Faculty and School strategic objectives.

- Actively contribute to engagement events and activities to promote the disciplines of the School, Faculty and University. Participate in School seminar programs and broader educational activities.

**Other**

- Contribute to the continuous improvement of processes that impact educational outcomes, including participation in School decision-making and participation in School, Faculty and University committees.

- Perform a range of administrative and supervisory functions in the School and other duties consistent with the level of appointment in the job family concerned, as directed by the Head of School.

- 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 and 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.

- Adopt sustainable practices in all work activities and compliance with associated legislation and related University sustainability responsibilities and procedures.

**Organisational Relationships**

The position reports to the Head of School.
SELECTION CRITERIA

Essential

- PhD expert knowledge in a relevant area of Biometrics, such as theoretical or applied statistics preferably in areas relevant to agriculture and food sciences.
- Demonstrated ability to develop and teach introductory biometry, experimental design and research methodology and deliver information a variety of formats at undergraduate and postgraduate level.
- Identify sources of funding and secure funding for own research programs.
- Experience with research and teaching in a tertiary institution.
- Ability to effectively supervise postgraduate research students.
- Publication track record commensurate with the level of appointment.
- High level of inter-personal and communication skills and ability to work collaboratively with colleagues.
- Ability to supervise staff and execute duties in a balanced and helpful manner.

Desirable

- An ability to establish effective relationships and to represent and promote the academic discipline of Biometry at a university and wider community level, including industry, government and professional bodies.
- Ability to develop innovative programs in the appropriate discipline.
- Experience in liaising and collaborating to develop cooperative research initiatives.

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.
Applications are also encouraged from women.