POSITION DESCRIPTION

Position Title: Lecturer / Senior Lecturer in Soil Science
Organisation Unit: School of Agriculture and Food Sciences
Position Number: 3034426
Type of Employment: Full time, continuing appointment
Classification: Teaching and Research Academic Level B or 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 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.

**Organizational Environment**

The School of Agriculture and Food Sciences is one of the largest schools of this type in Australia, comprising research and teaching experts in plant and soil science, animal science, agricultural business, environmental science, and food, nutrition and technology. With a diverse group of internationally regarded scientists, our experts deliver knowledge, skills and research that provide solutions to world issues in climate change, feeding the world, managing the environment, replacing fossil fuels with biofuels, maintaining biodiversity, and supporting economic and community development.

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 focused solutions to global challenges. The School offers a range of undergraduate and postgraduate coursework and research degrees encompassing agriculture and related disciplines ranging from Bachelor Degree to Doctorate. 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.

**Soil Science and plant nutrition**, within the School of Agriculture and Food Sciences, is a highly productive research group with a strong track record of research funding spanning the agriculture / environment spectrum. The group teaches soil science courses into agricultural science and environmental science programs, and contributes to underpinning science courses such as ecology and chemistry. This appointment is to enhance the group’s research capacity, and to provide undergraduate and postgraduate students with an understanding of soil science in the context of our changing agricultural and environmental setting. This position is based at the St Lucia campus, but the associated teaching and research activities extend to the Gatton campus (and beyond).

Further information on the School’s teaching programs, research focuses, and community activities can be accessed at www.uq.edu.au/agriculture. Faculty of Science information covering 6 Schools and 19 Centres is available at http://www.uq.edu.au/science.

**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](http://www.uq.edu.au/working-at-uq/enterprise-agreement) outlines the position classification standards for Levels A to E.
DUTY STATEMENT

Primary Purpose of Position

To engage as a lecturer/senior lecturer in Soil Science. The appointee will contribute to the teaching of soil science into the undergraduate agricultural science and environmental science programs, and also contribute to the delivery of an introductory inorganic chemistry course. The appointee will be expected to contribute to the national and international research profile of the School, and will be expected to supervise research students, establish a research program, and obtain external grant funding.

Duties

Duties and responsibilities include, but are not limited to:

Teaching and Learning

Level B and C

- Coordinate courses, prepare and deliver lectures, tutorials and practicals for both internal and external delivery; and undertake assessment and marking for undergraduate and postgraduate courses as required.
- Initiate the development of new course material by applying current research and scholarship. Participate in educational practice and innovative curriculum design including online learning and alternative teaching methods.
- Participate in program and course development activities in the School and Faculty, including consulting with program advisors and internal and external stakeholders to ensure courses are engaging, relevant and contemporary.
- Effectively teach, supervise, support and mentor undergraduate, postgraduate and research Honours students.

Level C

- Continually develop the curriculum, teaching resource and approaches to improve the quality of courses as measured through evaluation instruments to meet industry and educational standards.
- Successfully coordinate a significant component of the Agricultural Science Program.

Research

Level B and C

- Develop a program of fundamental, applied and contract research in the area of soil science that is externally funded.
- Publish scholarly, peer-reviewed papers in high quality international journals and present research findings at scientific conferences, industry meetings and other relevant forums.
- Achieve national recognition in a discipline area that contributes to the School's strategic research strengths.
- Enhance the research profile of the School through collaborative research, especially interdisciplinary projects, with colleagues and postgraduate students, other organisations and involvement in relevant professional activities.
Level C

- Undertake independent research.
- Develop, lead and manage substantial externally-funded research projects.
- Develop a research profile of international standing that contributes to the School’s strategic research strengths.

Service and Engagement

Level B and C

- Create, foster and enhance national and international links with relevant industry, business, government departments, professional bodies and the wider community that assist in the advancement of University and School strategic objectives.
- 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.
- Perform a range of administrative functions in the School of Agriculture and Food Sciences.

Level C

- Effectively perform higher level internal duties.
- Make a high level / leadership contribution to external 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 Head of School, School of Agriculture and Food Sciences.
SELECTION CRITERIA

- A PhD and appropriate postdoctoral training in an area of Soil Science.
- Demonstrated ability to develop and teach innovative courses in one or more areas of soil science and introductory inorganic chemistry, and to deliver information in a variety of formats at undergraduate and postgraduate levels.
- Demonstrated expert knowledge in soil science, including a scholarly research track record of external grant success and publications in peer-reviewed, leading multi-disciplinary journals.
- Ability to effectively supervise postgraduate research students from Honours to PhD.
- An ability to establish effective relationships and to represent and promote soil science at a university and wider community level, including industry, government and professional bodies.
- An understanding of agricultural production systems, and experience of managing soil fertility in these systems would be desirable.
- Research interests that complement those of other staff members as outlined on the School website would be highly regarded.

Additional selection criteria for Level C

- Demonstrated capacity for independent research, with a track record of experience as a chief investigator or lead on substantial externally-funded research projects.
- Demonstrated track record of curriculum innovation and the development of teaching resources that foster critical and strategic thinking.
- Track record as an effective principal supervisor of higher degree research students.

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 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.

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