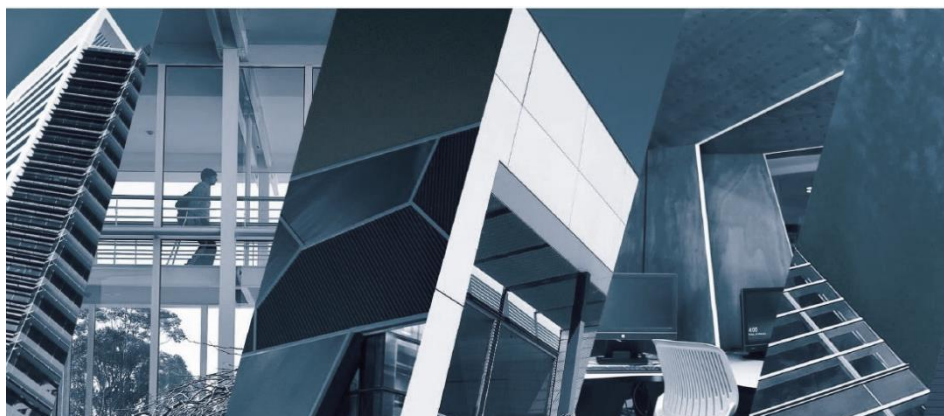


Position Description



Position title:	Lecturer, Applied Mathematics and Statistics
School/Directorate /VCO:	Institute of Innovation, Science and Sustainability
Campus:	Mt Helen or Berwick Campus. Travel between campuses may be required.
Classification:	Academic Level B
Time fraction:	Full-time
Employment mode:	Continuing employment
Further information from:	Professor Iven Mareels, Executive Dean, Institute of Innovation, Science and Sustainability Email: execdean.iiss@federation.edu.au
Recruitment number:	852077

Position summary

Appropriate to a Level B appointment, the Lecturer, Applied Mathematics and Statistics will be expected to:

- contribute to the development and delivery of courses at undergraduate and graduate levels;
- contribute to the Institute's research program; and
- contribute to the Institute's administrative functions.

Portfolio

The Institute of Innovation, Science and Sustainability offers Bachelor programmes in the Institute's four main disciplines, which are Business, Engineering and Mathematics, Information Technology, and Science. The Institute also offers a number graduate by coursework programmes. These programmes are offered on campus and at a number of locations throughout Australia and overseas. Many of these programmes are also co-designed with and supported by our strong network of established industry partners.

Research and consultancy forms a major aspect of the Institute's activities with numerous partnerships established with local, state, national and international organisations. Research within the University is driven through its Research Centres. The Centre for Smart Analytics (CSA) has a stream focus on Computational and Intelligent Mathematics which applies optimization methods and approaches to solve real-world problems in machine learning, artificial intelligence, bioinformatics and finance.

In the recent Excellence in Research for Australia the Institute received a rating of 5* for civil engineering, applied mathematics, environmental science and management, and environmental sciences, and also 4* for artificial intelligence and image processing and 3* for pure mathematics.

Federation University achieved SAGE Athena SWAN Bronze Accreditation in February 2020 by promoting gender equity and gender diversity in science, technology, engineering, mathematics and medicine (STEMM). We actively value and support the advancement of women, trans and gender diverse individuals.

Background

At Federation University, we are driven to make a real difference to the lives of every student, and to the communities we serve.

We are one of Australia's oldest universities, known today for our modern approach to teaching and learning. For 150 years, we have been reaching out to new communities, steadily building a generation of independent thinkers united in the knowledge that they are greater together.

Across our university and TAFE campuses in Ballarat, Berwick, Brisbane, Gippsland, and the Wimmera, we deliver world-class education and facilities. With the largest network of campuses across Victoria, as well as a growing Brisbane base, we are uniquely positioned to provide pathways from vocational education and skills training at Federation TAFE through to higher education.

To be successful at Federation University you must be willing to enthusiastically embrace the university's ambition as expressed in the 2021 - 2025 University Strategic Plan and share the University's values of:

INCLUSION, we celebrate our diversity, particularly valuing Aboriginal and Torres Strait Islander cultural heritage, knowledge and perspectives.

INNOVATION, we are agile and responsive to emerging opportunities.

EXCELLENCE, we act with integrity and take responsibility for achieving high standards.

EMPOWERMENT, we create a supportive environment to take informed risks in pursuit of success.

COLLABORATION, we establish genuine partnerships built on shared goals.

Key responsibilities

1. Develop, teach, coordinate and moderate courses in Applied Mathematics and Statistics at undergraduate and graduate diploma levels.
2. Undertake teaching and assessment of undergraduate, honours and postgraduate students within the area of Applied Mathematics and Statistics.
3. Undertake research activities.
4. Supervise students undertaking project courses and honours programs.
5. Supervise research higher degree students.
6. Participate in team projects and various committees as required.
7. Contribute to the administrative functions of the Institute.
8. Other responsibilities applicable under current minimum standards for Academic Levels, as assigned by the Dean and Head of Institute/Deputy Dean.
9. Reflect and embed the University's strategic purpose, priorities and goals when exercising the responsibilities of this position. For a more complete understanding and further information please access the Strategic Plan at: <https://federation.edu.au/about-us/our-university/strategic-plan>.
10. Undertake the responsibilities of the position adhering to:
 - The Staff and Child Safe Codes of Conduct and Conflict of Interest Policy and Procedure;
 - Equal Opportunity and anti-discrimination legislation and requirements;
 - the requirements for the inclusion of people with disabilities in work and study;
 - Occupational Health and Safety (OH&S) legislation and requirements; and
 - Public Records Office of Victoria (PROV) legislation.

Level of responsibility

The Lecturer, Applied Mathematics and Statistics will work independently in the conduct of teaching and research activities, and be an active contributor to administrative functions within the Institute.

Position/Organisational relationships

The Lecturer, Applied Mathematics and Statistics will work under the broad direction of the Executive Dean, Director, Academic Operations, and work as part of the Institute's team of academic and administrative staff. The direct supervisor will be the Institute of Innovation, Science and Sustainability Discipline Leader.

Key selection criteria

Applicants must demonstrate they are able to undertake the inherent responsibilities of the position as contained in the position description and are able to meet the following key selection criteria:

Training and qualifications

1. The Lecturer, Applied Mathematics and Statistics will hold at least a master's degree. A doctoral qualification would be highly desirable.
2. A valid Working with Children Check (WWCC) or hold a current registration with the Victorian Institute of Teaching (VIT).

Experience, knowledge and attributes

3. Commitment to scholarship and a potential for academic advancement.
4. Demonstrated commitment to and enthusiasm for teaching, and a good teaching record.
5. Previous experience in academic administration, including the administration of courses.
6. Evidence of research expertise and a demonstrated capacity and preparedness to achieve an active research profile in the field of Applied Mathematics and Statistics.
7. Evidence of an ability to work collegially.
8. Demonstrated interpersonal, oral and written communications skills and an ability to relate well to students and other University staff.
9. A capacity to contribute to the supervision of honours and graduate students.
10. Demonstrated ability to develop and implement a student-centred approach with a focus on student educational experience and success.
11. Knowledge and understanding of the needs, including learning needs, of a diverse range of students, including those with disabilities.
12. Demonstrated working knowledge and application of the Child Safety Standards.
13. Demonstrated knowledge and application of appropriate behaviours when engaging with children, including children with a disability and from culturally and/or linguistically diverse backgrounds.

The University reserves the right to invite applications and to make no appointment.

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.

Key Minimum Standards for Academic Levels (MSALs)

Teaching and research academic staff

Level B

A Level B academic will undertake independent teaching and research in his or her discipline or related area. In research and/or scholarship and/or teaching a Level B academic will make an independent contribution through professional practice and expertise, and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A Level B academic will normally contribute to teaching at undergraduate, honours and postgraduate level, engage in independent scholarship and/or research and/or professional activities appropriate to his or her profession or discipline. He or she will normally undertake administration primarily relating to his or her activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

The standards are not exhaustive of all tasks in academic employment, which is by its nature multi-skilled and involves an overlap of duties between levels.

Federation University Australia
Union Collective Agreement
2019-2021
Academic and General Staff Employees