

Position description

Lecturer in Statistics and Probability

Department/Unit	School of Mathematical Sciences
Faculty/Division	Faculty of Science
Classification (salary rates)	Level B
Work location	Clayton campus
Date document created or updated	June 2017

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit www.monash.edu

The **Faculty of Science** works through frontiers via our research, teaching and our partnerships with industry, government and individual supporters. Our five Schools offer a large and diverse range of disciplines in undergraduate and postgraduate courses. Ten Schools from other university faculties contribute to science teaching at all levels, allowing students to choose their studies from physical, biological, biomedical, behavioural, environmental, mathematical and computer sciences. In terms of research, our respected researchers are at the top of their game. Their work spans the theoretical to the applied, contributes to new knowledge and technologies, and challenges how we interact with the world. To learn more about the Faculty of Science, please visit our website: www.monash.edu/science/

The **School of Mathematical Sciences** is one of the largest of the six Schools in the Faculty, and has close working collaborations with other Schools/Departments such as Physics and Astronomy, Earth, Atmosphere, Environment, Computer Science; and other faculties such as Business and Economics, Arts, Medicine, IT and Engineering. The School has strong links with outside institutions such as CSIRO, the Defence Science and Technology Organisation, and the National Australia Bank and a large number of research institutes and universities around the world.

The School provides undergraduate teaching for students in the Faculties of Science, Engineering, Information Technology and Pharmacy and Pharmaceutical Sciences, as well as postgraduate training in its key areas of research. The School is multidisciplinary with very active groups in algebra and discrete mathematics, analysis and geometry, applied mathematics, fluid dynamics, statistics and stochastic processes, numerical analysis and scientific computing, operations research, mathematical biology.

Position purpose

A Lecturer is expected to make significant contributions to the teaching effort of the School of Mathematical Sciences (including large classes). An academic at this level is expected to carry out activities to maintain and develop her/his scholarly, research and/or professional activities relevant to the field of Probability and/or Statistics. Preference will be given to applicants with interests aligned with existing strengths within the school.

Reporting Line: The position reports to the Head of School

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

The incumbent is expected to provide strong strategic support to the School of Mathematical Sciences through:

1. Undertake teaching in mathematics, including tutorials, lectures, seminars, workshops, and projects
2. Initiate and develop unit and subject material with appropriate advice from and support of more senior staff
3. Act as unit coordinator, where appropriate
4. Supervise the program of study of honours students or of postgraduate students engaged in course work
5. Supervise major honours or postgraduate research projects
6. Conduct original research that will lead to publications in refereed journals or with high level academic and/or commercial publishers
7. Involvement in professional activity
8. Undertake marking, assessment and consultation with students
9. A range of administrative functions, the majority of which are connected with the units/subjects in which the academic teaches

Key selection criteria

Education/Qualifications

1. The incumbent must possess a PhD in mathematics or statistics

Knowledge and Skills

2. Demonstrated capacity to engage in outstanding research consistent with the strengths and strategic directions of the School
3. Ability to supervise postgraduate research students
4. Potential to earn income through external research granting bodies
5. Ability to develop and deliver innovative and exciting teaching in mathematics to students at all levels and backgrounds
6. Demonstrated capacity to work constructively and collaboratively with colleagues in furthering the aims of the School
7. Demonstrated oral and written communication skills
8. Ability to represent the School and the discipline in their dealings with internal or external groups
9. Ability to work in research or teaching teams in a multidisciplinary environment
10. An established record of research grant support
11. A record of postgraduate/honours student supervision

Other job related information

- Travel (e.g. to other campuses of the University) may be required
- There may be peak periods of work during which the taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.