

POSITION DESCRIPTION

Academic Positions

(In addition to the Position Classification Standards)

Position Title: Research Fellow Level: B
 Faculty/Division: Faculty of Informatics
 Department/Location: National Institute for Applied Statistics Research

Primary Purpose of the Position:

This position will undertake various high-level research and consulting projects in statistical methodology. The position may involve a limited amount of teaching. Specific projects may include development and evaluation of statistical methods for spatial-temporal data and environmental informatics.

Position Environment:

NIASRA is one of the research strengths of the university. It undertakes high quality and impact research, consulting, and professional education and training. The position will primarily undertake research associated with projects led by Distinguished Professor Noel Cressie, which may involve collaboration with researchers in other institutions and organisations in Australia and internationally.

There are currently 20 staff members who work in statistics, and over 20 PhD students and Masters students. NIASRA has four research Professors and extensive links with Australian and international research organisations: Professor Noel Cressie is among Thomson Reuters ISI's elite group of Highly Cited mathematical scientists; Professor Ray Chambers is funded by the Australian Bureau of Statistics; Professor Brian Cullis is funded by the Grains Research Development Corporation and CSIRO; Prof David Steel is the Director of NIASRA. NIASRA has three connected major research themes: Environmental Informatics (led by Prof Cressie), Survey Methodology (led by Prof Chambers), and Biometrics (led by Prof Cullis) and also undertakes research in Statistical Education and Financial Mathematics.

Major Accountabilities/Responsibilities:

Responsibilities		Outcome	Office Use Only
1.	Conduct research as part of externally funded and other research projects, including the production of publications in high-quality journals, high impact reports, and conference and seminar papers	High quality research papers and other research outputs	
2.	Liaise with the research and support staff involved in the projects in UOW and other institutions and organisations	Effective liaison with relevant staff	
3.	Contribute to the preparation, or where appropriate, individual preparation of research proposal submissions to external funding bodies	Submission of proposals	
4.	Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in	Attendance at conferences	

	statistical methodology		
5.	Administrative functions connected with the research projects and attendance at relevant research meetings.	Effective administration of the statistical component of the project	
6.	Limited contributions to the teaching program, preparation and delivery of short courses and professional education, and contributions to consulting projects in statistical methods	Subjects and courses delivered effectively and consulting projects completed	
7.	Supervisory roles: Communicate and consult with staff on workplace and staffing matters.	To foster direct relationships with staff and enhance engagement within the University.	
8.	Observe principles and practices of Equal Employment Opportunity	To ensure fair treatment in the workplace	
9.	Have OH&S responsibilities, accountabilities and authorities as outlined in the http://staff.uow.edu.au/ohs/commitment/responsibilities/ document	To ensure a safe working environment for self & others.	

Reporting Relationships:

Position Reports to:	Professor Noel Cressie
The position supervises the following positions:	None
Other Key Contacts:	Professor David Steel, Director NIASRA Professor Jacqui Ramagge, HOS Research project sponsors and leaders in partner organisations

Key Relationships:

Contact/Organisation:

Research partners involved in project
School of Mathematics and Applied Statistics

Office of Research

Purpose & Frequency of contact

Coordination of research plans and activities
For financial, administrative and technological support as required
As required for administration and reporting

Key Challenges:

1. Ensuring timely and effective completion of research projects and associated publications
2. Ensuring a balance of activities to maximise research quality, research outputs (e.g. publications) and submission of new grant applications
3. Working with a variety of people at different levels across the research partners

SELECTION CRITERIA - Knowledge & Skills:

Essential:

- Demonstrated strong research potential in an area of statistics compatible with undertaking research in statistical methods for spatio-temporal data and environmental informatics
- Strong computational skills
- Ability to undertake complex analysis of large-scale data sets
- Strong organisational skills
- Strong written and oral communication skills, including formal report writing skills and preparation of manuscripts for publication in academic journals in a timely manner
- The ability to complete projects and write up the results in publishable form

SELECTION CRITERIA - Education & Experience:

Essential:

- A PhD in a relevant area of Statistics (if not held, then an offer will be contingent upon submission)
- Some experience in undertaking statistical research
- Experience in writing up the results of statistical projects, including research and/or consultancy projects

Personal Attributes:

- Timely, proactive, independent, approachable and enthusiastic.
- Ability to work harmoniously and effectively as a member of a team
- High ethical and professional standards

Special Job Requirements:

N/A

Approval:

Approved by Head of Unit: _____

Date: _____

Approved by Human Resources: _____

Date: _____



POSITION CLASSIFICATION STANDARD - Research Only

Level: B
Title: Fellow

Description

A position classification standard describes the broad categories of responsibility attached to research-only academic staff at different levels. The standards are not exhaustive of all tasks in research-only academic employment, which is by its nature multi-skilled and involves an overlap of duties between levels. The standards provide an adequate basis to differentiate between the various levels of employment and define the broad relationships between classifications.

Progression through an academic career will normally be based on research, teaching, administrative functions and contribution to the profession. The balance of functions will vary according to level and position over time. It is only in exceptional circumstances that promotion would be solely on the research only position classification standards.

- General Standard
- Specific Duties
- Skill Base

General Standard

A Level B research-only academic is expected to carry out independent and/or team research within the field in which he/she is appointed and to carry out activities to develop his/her research expertise relevant to the particular field of research

Specific Duties

Specific duties required of a Level B research-only academic may include

- The conduct of research either as a member of a team or independently, and the production of conference and seminar papers and publications from that research.
- Supervision of research-support staff involved in the staff members' research.
- Guidance in the research effort of junior members of research-only academic staff in his/her research area.
- Contribution to the preparation, or where appropriate individual preparation, of research proposal submissions to external funding bodies.
- Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise.
- Administrative functions primarily connected with his/her area of research.
- Occasional contributions in the teaching program within the field of the staff member's research.
- Co-supervision, or where appropriate supervision, of major honours or postgraduate research projects within the field of the staff member's area of research.
- Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/pr faculty meetings and/or membership of a limited number of committees.

Skill Base

A Level B research-only academic will normally have completed a doctoral qualification or have equivalent qualifications or research experience. In addition he/she may be expected to have had post-doctoral research experience which has resulted in publications, conference papers, reports or professional or technical contributions which give evidence of research ability.