

## POSITION DESCRIPTION

### Academic Positions

*(In addition to the Position Classification Standards)*

Position Title:	Lecturer in Statistics
Level:	B
Faculty/Division:	Informatics
Department/Location:	School of Mathematics and Applied Statistics (SMAS)

#### Primary Purpose of the Position:

The appointee will carry out teaching and research duties consistent with a Lecturer Level B position in the School of Mathematics and Applied Statistics at the University of Wollongong. Priority will be given to applicants who have research interests that align with research interests of current staff in the school, teaching areas, and other strategic directions of the university. The successful applicant is expected to become an active member of the Centre for Statistics and Survey Methodology.

#### Position Environment:

UOW has a University-funded Research Strength in Applied Statistics. There are currently 16 staff members who work in statistics, 16 PhD students and 5 Masters students. These include two externally-funded Professors and one Professor on the ISI-Highly-Cited list; Distinguished Professor Noel Cressie is on the Highly-Cited list, Professor Ray Chambers is funded by the Australian Bureau of Statistics, and Professor Brian Cullis is funded by the Grains Research Development Corporation and the CSIRO. Research interests of staff include survey methodology, spatial statistics, biometry, health statistics, and statistical finance.

The statisticians at UOW aim to enhance the reputation of UOW as a place where research of international significance is carried out and to provide a statistical consultancy service within the university and the greater community. Interdisciplinary work is encouraged, particularly research that contributes to the strategic directions of UOW embodied in the SMART Infrastructure Facility and IHMRI. The significance of mathematics and statistics to most of the major endeavours of the university is recognised and the School of Mathematics and Applied Statistics is highly regarded within the university.

The School services a number of both general and vocational undergraduate degree programs including the BMath, BMathEd, BMathFin, and BMedMath, as well as advanced degrees for high achievers, and combined degrees such as BMath/BCompSci and BEng/BMath. Students can major in statistics within the BMath, the BMathEd and the combined degrees. The BMedMath has a statistics comajor as a compulsory component, as does the Quantitative and Computational Trading major within the BMathFin. High standards of teaching are the norm and all new staff are expected to undertake a University Teaching and Learning course unless exemption is granted.

The appointee will work collaboratively with members of the team, and will produce concrete research outcomes in the form of papers published in internationally recognised journals. UOW prides itself on the quality of its teaching and the successful applicant would be expected to contribute positively to that endeavour. The position offers opportunities for involvement in research supervision in an active postgraduate-training program.

**Major Accountabilities/Responsibilities:**

Responsibilities		Outcome	Office Use Only
1.	Carry out research in statistics	Publications	
2.	Teach and supervise students	Preparation, delivery and assessment of classes, and graduation of project, masters and PhD students	
3.	Work collaboratively with other staff, including helping junior staff	Coauthored publications and reports, assistance acknowledged	
4.	Administration and outreach	Administrative roles undertaken and outreach activities participated in	
5.	Apply for research funding and consultancies	Applications lodged	
6.	Assist in the preparation of reports and comply with the University's reporting requirements	Reports produced on time, publications logged on database etc	
7.	Contribute to the background knowledge-base of the team and publicise the work of the team at meetings	Presentation of seminars and conference presentations	
8.	Supervisory roles: Communicate and consult with staff on workplace and staffing matters.	To foster direct relationships with staff and enhance engagement with the organisation.	Ongoing
9.	Observe principles and practices of Equal Employment Opportunity	To ensure fair treatment in the workplace	
10.	Have OH&S responsibilities, accountabilities and authorities as outlined in the <a href="http://staff.uow.edu.au/ohs/commitment/responsibilities/">http://staff.uow.edu.au/ohs/commitment/responsibilities/</a> document	To ensure a safe working environment for self & others.	

**Reporting Relationships:**

Position Reports to:	Head of School, currently Prof Jacqui Ramagge
The position supervises the following positions:	none
Other Key Contacts:	Director of CSSM, currently Professor David Steel

**Key External Relationships:**

Contact/Organisation:	Purpose & Frequency of contact
N/A	N/A

**Key Challenges:**

1. To do original research of lasting significance
2. To teach and inspire students
3. To help maintain an enthusiastic and productive collegial environment
4. To help meet the needs of clients of the Centre for Statistics and Survey Methodology

**SELECTION CRITERIA - Knowledge & Skills:**

Essential:

- Expertise in at least one area of statistics
- The ability to work harmoniously and effectively as a member of a team
- The ability to complete projects and write up the results in publishable form
- Demonstrated success as a teacher

Desirable

- The ability to teach statistics across the undergraduate program delivered by the school
- Research interests aligned with the School

**SELECTION CRITERIA - Education & Experience:**

Essential:

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

**Personal Attributes:**

- The appointee is expected to work as an integral part of a team
- Good interpersonal skills
- A willingness to share ideas and experiences

**Special Job Requirements:**

None

**Organisational Chart:**

The appointee will be supervised by the Head of School, currently Prof Jacqui Ramagge.

**Approval:**

Approved by Head of Unit: Jacqui Ramagge  
Date: 10 October 2012

Approved by Human Resources: John Steele, Director, Human Resources Division  
Date: 18 October 2012

## POSITION CLASSIFICATION STANDARD - Teaching and Research

Level: B  
Title: Lecturer

### Description

A position classification standard describes the broad categories of responsibility attached to academic staff at different levels. 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. **Therefore the standards should not be applied mechanistically. Quality of performance is the principal factor governing level of appointment of individuals, and a broadly-worded skill base is set out for each level.**

All levels of academic staff can expect to make a contribution to a diversity of functions within their institutions. Such functions include teaching research participation in professional activities and participation in the academic planning and governance of the institution. The balance of functions will vary according to level and position and over time.

- General Standard
- Specific Duties
- Skill Base

### General Standard

A Level B academic is expected to make contributions to the teaching effort of the institution and to carry out activities to maintain and develop her/his scholarly, research and/or professional activities relevant to the profession or discipline.

### Specific Duties

Specific duties required of a Level B academic may include

- The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions.
- Initiation and development of subject material.
- Acting as subject coordinators.
- The preparation and delivery of lectures and seminars.
- Supervision of the program of study of honours students or of postgraduate students engaged in course work.
- Supervision of major honours or postgraduate research projects.
- The conduct of research.
- Involvement in professional activity.
- Development of course material with appropriate advice from and support of more senior staff
- Marking and assessment.
- Consultation with students.
- A range of administrative functions the majority of which are connected with the subjects in which the academic teaches.
- Attendance at departmental and/or faculty meetings and/or membership of a number of committees.

### Skill Base

A Level B academic shall have qualifications and/or experience recognized by the institution as appropriate for the relevant discipline area. In many cases a position at this level will require a doctoral or masters qualification or equivalent accreditation and standing. In determining experience relative to qualifications, regard is had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or to technical achievement.