



POSITION DESCRIPTION

The University of Papua New Guinea

DETAILS OF POSITION	POSITION NO.: 121005
SCHOOL/OFFICE: SNPS	CLASSIFICATION: U03
DIVISION/STRAND: MSCS	POSITION TITLE: Lecturer 2 in Statistics
BRANCH: UPNG Waigani main campus	IMMEDIATE SUPERVISOR CLASSIFICATION & POSITION: Strand Leader, Mathematics, Statistics and Computer Science
SECTION: Academic	HIGHEST SUBORDINATE CLASSIFICATION & POSITION: Senior lecturers/lecturers in MSCS
LOCATION: Science III Building	

ROLES AND RESPONSIBILITIES OF POSITION

PURPOSE

The University invites applications for the position of Lecturer 2 in Statistics. Candidates sought for the **Lecturer 2** position should be a committed academic who is able to teach higher level statistics courses offered in MSCS, which include Probability Distributions, Statistical Inference, Experimental Design, Regression Analysis, Sample Surveys, Stochastic Processes, Non-parametric Statistics and Statistical Quality Control. Proficiency and experience in other areas of mathematics, statistics, and computer science is desirable. The successful candidate is expected to undertake research, consultancy, or further education to develop his/her field of specialization. He/she will have the capacity and interest to participate in innovative teaching methods including technology enabled learning, (Learning management systems) flexible delivery and problem base learning (distance education). Proficiency in other areas of mathematics, statistics or computer science and experience in integrating statistical learning with computer applications is desirable

ACCOUNTABILITIES

The successful candidate is expected to undertake research, consultancy, or further education to develop his/her field of specialization. The candidate should be enthusiastic, motivated and eager to assist teaching, as well as in his/her further development in teaching for undergraduate programs in Statistics.

MAJOR DUTIES (for Lecturer Position)

1. TEACHING
 - Produce, coordinate and conduct lectures (and assessments) for undergraduate courses
 - Maintain contact/link with industry
2. ADMINISTRATION
 - Assist in school and strand administration as well as various UPNG committees as appropriate

3. RESEARCH

- Conduct research in fields of applied mathematics as well as research in collaboration with external universities
- Encourage and lead junior staff to carry out research
- Publish ethical research results as well as present research papers at public forums within scientific communities

4. OUTREACH

- Provide unpaid consultancy and advisory role if required by UPNG/Others
- Conduct short courses as appropriate

5. DISTANCE EDUCATION

- Develop course material for distance education

SELECTION CRITERIA

TRAINING LEVEL OR QUALIFICATIONS (for Lecturer Position)

FACTORS	
Professional Qualifications	A Masters in statistics is preferred
Publications	Past publications in reputable local and/or international journals and contributions to scientific meetings and conferences preferably
Abilities	Must be able to lead in research in the particular field of applied mathematics specialisation is essential and crucial
Experience	A number of years of experience in research as well as experience in using popular mathematical computing tools
Breadth of Skills	Multi skilled in being able to teach across a broad spectrum of courses in order to provide support when required especially with pure mathematics and statistics courses taught within MSCS
Other Skills	Strong mathematics/computing skills is desirable

KNOWLEDGE, SKILLS AND PERSONAL ATTRIBUTES

1. Knowledge and skills as listed table above
2. Motivated and enthusiastic about these fields and about teaching and research
3. Knowledge of the UPNG Code of Conduct

HISTORY OF POSITION – (HR DIVISION OFFICE USE ONLY)

UPNG FILE NO.	DATE OF VARIATION	DETAILS