

POSITION DESCRIPTION

IDENTIFICATION

Position Title: Lecturer

Position Number: LSO018

Section: Geography, Earth Science and Environment

Department: School of Agriculture, Geography, Environment, Ocean, and Natural Sciences (SAGEONS)

Location: Laucala Campus

Category: Academic

Current Incumbent:

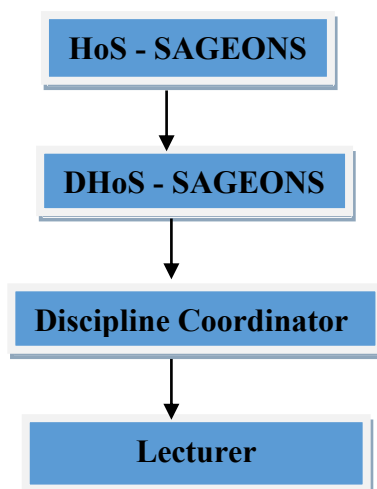
Date of substantive appointment:

Reports To: HoS - SAGEONS

Supervised by: HoS - SAGEONS

ORGANIZATION CONTEXT

Organization chart given below is the reporting line of Lecturer.



PURPOSE

The position is of importance for the university’s teaching and research activities relating to Geospatial Science courses and programs. The School of Agriculture, Geography, Environment, Ocean and Natural Sciences (SAGEONS) offers Bachelor of Geospatial Science as a prescribed program (two pathways) at USP. Geospatial Science (GS) is also offered as a major under Bachelor of Science program at SAGEONS, USP. This position will focus on fundamentals of GIS, spatial data models, geospatial database management, spatial analysis, and geospatial programming using Python. The recruit will coordinate courses offered at undergraduate and postgraduate levels at USP. Without this position the Geospatial

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Science program could not be offered at USP, and DGESE’s administrative obligations with regards to the GS courses and programs cannot be covered in the future.

NATURE AND SCOPE

The appointee at Lecturer level will contribute to teaching undergraduate courses in Geographic Information Systems and geospatial data analysis. Teaching abilities and expertise should include fundamentals of Geographic Information Systems, geospatial data management, spatial modelling and analyses, geospatial programming, spatial databases, and web-based GIS applications. Experience in Python programming, spatial database design, and geospatial analysis using both proprietary and open-source GIS platforms such as ArcGIS and QGIS software will be highly desirable.

Teaching may include undergraduate and postgraduate level courses across the Geospatial Science curriculum offered by SAGEONS in face to face, online, and blended modes, including laboratory demonstrations, field activity, and tutorials. The appointee will also contribute to GS course development and revisions and will be expected to successfully secure some research grants (including external grants) in the thematic area of research while also supporting the University mission and goals as set out in the University Strategic Plan. The role includes assisting in administrative and outreach tasks as and when assigned by the Head of School (HOS), SAGEONS.

POSITION DIMENSIONS

Details of staff and total level of costs within the organization under the position’s overall control.

Staff Responsible for:

Directly: Not Applicable (N/A) Indirectly: N/A Total Level of Costs: N/A

Limits of Authority:

Financial: N/A Non-Financial: N/A

Key Relationships /Internal and External Contacts:

<p>External</p> <ul style="list-style-type: none"> • Donor agencies e.g., ACIAR, FAO, DFAT, MFAT, UN agencies, USAID, etc. • Government Ministries • Researchers from other institutions • Secondary School Students • GIS sections in other government and non-government organizations 	<p>Purpose of contact</p> <ul style="list-style-type: none"> • Secure research funds • Assist relevant ministries on Geospatial related policy and planning and collaborate in their research • Establish research network and collaboration • Marketing Geospatial Science courses • Advise public and organizations on Geospatial related issues and collaborate for outreach activities
<p>Internal</p> <ul style="list-style-type: none"> • All SAGEONS Staff 	<p>Purpose of contact</p> <ul style="list-style-type: none"> • Receive supervision and coordination

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<ul style="list-style-type: none"> • USP staff • USP Students 	advise <ul style="list-style-type: none"> • Establish research network and collaboration for multidisciplinary research • Provide support in learning and research
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KEY RESULT AREAS / KEY ACHIEVEMENT AREAS

Aim: KRAs to have a logical heading. KRAs: 4 – 6.in total Key tasks: 4-5 tasks per KRA. Performance Measures: Identify the performance standards for someone doing the job at the 100% level. Use both quantitative and qualitative measures, Measures the KRA as a whole, not every task. Maximum 3 measures for each KRA Include KRA for Corporate Responsibilities which is generic to all positions

Key Result Areas <i>Jobholder is responsible for</i>	Performance Measures <i>Jobholder is successful when</i>
<ul style="list-style-type: none"> • Conduct lectures, tutorials, laboratories and field activities (included residential field trip). • Teaching associated administrative duties. • Preparation and marking of laboratory and field activity reports and other assignments, provide feedback within two weeks of handing in the assignment. • Preparing marksheet, conducting and marking of Topic Tests and student's projects presentation with feedback to students. • Release of CA marks on Moodle. • Provide necessary support to the students during study week (week 15) including completion of their assignments and allocated projects on time. • Prepare final exam and marking rubric, perform exam moderation, supervise final exam and marking Final Exam Answer scripts • Preparation and presentation of final results to the School results assessment meetings under the supervision of HOS. 	<ul style="list-style-type: none"> • Effective teaching of courses which involves lectures, tutorials, laboratories classes, and field activities • Very good support provided to students and other assigned duties carried out with diligence and in timely manner
KRA – Research <ul style="list-style-type: none"> • Supervision of MSc and PhD students research • Publish research papers in high quality USP ranked journals • Attract research grants (including externally) in the thematic area of research and support the School and University mission and goals as set out in the University Strategic Plan • Collaborate and engage with a range of key policy and scientific partners active in the Pacific region 	<ul style="list-style-type: none"> • Successfully supervise MSc and PhD students to completion. • Publish research papers in ranked journals, the number of which is determined by the level of the appointment • Attract internal and external research funds • Strong and active engagement with a range of key policy and scientific partners in the Pacific region. Demonstrable examples where science has been impactful on policy reform

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	and/or development in one of the region's countries.
<p>KRA – Administration</p> <ul style="list-style-type: none"> Record keeping of student's exam marks, courses offered, printing of exam papers, setting up the exam, Attendance at Discipline/School meetings and/or membership of number of committees. Other duties assigned by the HOS-SAGEONS. Work with supporting tutor assigned to the course. 	<ul style="list-style-type: none"> School Review
<p>1. KRA – Community and External Stakeholder Engagement</p> <ul style="list-style-type: none"> Attendance at Programme Advisory Committee meetings Participate in community events and collaborations. 	<ul style="list-style-type: none"> School Review

TERMS & CONDITIONS

Salary: Lecturer:

Length of Contract: 5 Years

Gratuity and Allowances: Salary is inclusive of 15% Gratuity

Other Benefits: The University contributes 10% of basic salary to an approved superannuation scheme, provides airfare and relocation costs where appropriate.

POSITION SPECIFICATION

Qualifications (or equivalent level of learning)

Essential	Desirable
<p>Applicants must Lecturer:</p> <ul style="list-style-type: none"> a PhD in the relevant discipline with relevant tertiary teaching and research; or in exceptional cases, a Master's degree or professional qualification with 3-5 years of teaching experience or relevant industry/professional experience or a significant research profile. Demonstrated specialization in one or more 	<ul style="list-style-type: none"> Python programming spatial database design geospatial analysis using both proprietary and open-source GIS platforms such as ArcGIS and QGIS software

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of the following areas: geospatial data management, spatial modelling and analyses, geospatial programming; and <ul style="list-style-type: none"> • Evidence of scholarly research and publication in peer-reviewed journals. 	
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Knowledge / Experience

Essential	Desirable
<ul style="list-style-type: none"> • The ability and willingness to teach at all levels (undergraduate and postgraduate) and a range of standard topics in the respective streams; • Experience in postgraduate supervision; • Demonstrated ability and competence in research; • Demonstrated ability to form and lead a research team; • Demonstrated ability to work collaboratively with colleagues, and • Excellent English written and oral communication skills. 	<ul style="list-style-type: none"> • Experience in distance and flexible education as the School and the University emphasize distance and flexible learning. • Evidence of excellence in teaching in a multi-cultural environment. • Experience in admiration and leadership in tertiary education sectors. • Outstanding record of research and high quality publications

Key Skills / Attributes / Job Specific Competencies

The following levels would typically be expected for the 100% fully effective level:

Expert level	<ul style="list-style-type: none"> • Excellent analytical and numeracy skills • Excellent communication skills • Excellent organizational skills • Full IT competent and IT skills • Excellent judgement skills • Self-starter and Problem solver • Excellent research skills • Team player
Advanced level	N/A
Working level	N/A
Awareness level	N/A

APPROVAL

Supervisor name: _____

Supervisor's Signature: _____

Date: _____

Staff Name: _____

Staff ID: _____

Staff Signature: _____

Date: _____