

Position Title:	Lecturer in Geographic Information Systems (GIS) and Remote Sensing
Position Classification:	Level B
Position Number:	317180
Faculty/Office:	Science
School/Division:	UWA School of Agriculture and Environment
Centre/Section:	Geography and Planning, Environmental Science, Agricultural Science
Supervisor Title:	Head of School
Supervisor Position Number:	303032

About the Faculty of Science

The Faculty of Science is internationally renowned for its excellence in teaching and research. The University of Western Australia is rated above world standard in 38 fields of research, and 79% of these are a science field. The diverse nature of our Faculty gives unique opportunities for research and student training. The Faculty is therefore well positioned to play a leading role in defining Australia's future. We have world leading expertise across a diversity of disciplines embracing the agricultural, biological, chemical, earth, environmental, human, molecular and psychological sciences. This excellence is built around our core, disciplinary strengths. We are building on these core strengths to deliver an innovative, cross-disciplinary research agenda through six strategic research themes where our expertise at UWA is ideally placed to have a transformative impact. They are: Preventing, Diagnosing and Treating Disease; Energy and Mineral Resources for a Sustainable Future; Furthering Knowledge and Serving Humanity; Managing and Restoring the Natural Environment; Feeding the World; and Enhancing Physical, Mental and Social Wellbeing and Performance.

Your work area

The UWA School of Agriculture and Environment is a comprehensive, research-intensive school that spans the broad disciplines of Agricultural and Resource Economics, Agricultural Science, Environmental Science, and Geography and Planning. The School is located in one of the world's biodiversity hotspots and the state of Western Australia has over 20,000km of coastline adjoining the Indian and Southern Oceans, and a wealth of marine and natural resources. Our teaching and research benefits from a network of both national and international collaborators, and has a strong track record in PhD supervision and external research grant success.

You will be joining a truly world-class School, Faculty and University. The Australian Research Council rated our programs as "above" or "well above" world standard in Environmental Science & Management, Fisheries Science, Oceanography, and Physical Geography and Environmental Geoscience. UWA is ranked 1st in Australia and 14th in the World for Agricultural Science and 1st in Australia and 16th in the World for Environmental Science and Engineering.

Our programs emphasise how teaching and research is translated into practice and policy through our strong industry and government links in areas related to agricultural and environmental management, regional development, and urban and regional policy and planning. The School is responsible for undergraduate majors in Agricultural Science, Environmental Sciences, Geographical Sciences, Human Geography and Planning, Natural Resource Management, and contributes to Marine Science. At a postgraduate level the School leads Master's degrees in Agricultural Science, Agricultural Economics, Biotechnology, Environmental Science (including a specific specialisation in Marine and Coastal Management), GIScience, International Development, and Urban and Regional Planning.

Reporting Structure

Reports to: Head of School

Your role

As the appointee, you will be expected to contribute to our research and teaching offerings in Geographic Information Systems (GIS) and/or Remote Sensing. You are likely to have core expertise in areas such as spatial analysis, statistics and/or programming, and may have a specialisation in an area such as physical geography, environmental science, agricultural science, international development, and urban and regional planning.

Key responsibilities

Conduct excellent scholarly research both independently and in collaboration with others both within and external to the University.

Engage in the supervision of postgraduate research students.

Perform high quality tutoring, classroom teaching, practicum coordination, and unit development/coordination.

Teach at undergraduate and postgraduate levels in Geographic Information Systems (GIS), Remote Sensing, Spatial Statistics and Programming, and also within one or more of the following discipline fields: geography and planning, environmental science, or agricultural science.

Undertake administrative duties as required.

Participate in School, Faculty and University meetings and committees as required by the Head of School.

Work collaboratively within the teaching teams and support the University's commitment to equity and diversity principles.

Other duties as directed.

Your specific work capabilities (selection criteria)

PhD in Geography, Environmental Science, Agricultural Science or a closely related field, with a focus on Geographic Information Systems (GIS) and/or Remote Sensing.

Demonstrate an outstanding research track record, relative to opportunity, in the area(s) of GIS, remote sensing, spatial analysis of physical or built landscapes and processes, spatial statistics, or geovisualisation;

Demonstrate a commitment to excellence in research, with strong potential for attracting external competitive funding for research;

Demonstrate a personal commitment to, and achievement in, high quality and high impact scholarly research and communication;

Show evidence of involvement and willingness to direct and supervise the research of honours and postgraduate research students including Masters and PhD students

Demonstrate capacity, innovation and impact in developing and delivering high quality teaching with specific reference to GIS, remote sensing, spatial statistics and programming

Demonstrate experience of teaching to a range of audiences including large undergraduate classes, and specialist technical content in postgraduate courses and field-based teaching;

Demonstrate a significant personal contribution and commitment to the development and delivery of high quality teaching;

Demonstrate a collegiate approach to working within a discipline group within the University, building effective links and liaising with members of the community, professional, relevant industry and funding bodies outside the University, and the ability to promote your discipline in the wider community.

Special Requirements

Commitment to undertake remote, interstate and overseas travel for research but also for conducting field-based and lecture-based teaching.

Ability to obtain an Australian manual driver's licence and engage in 4WD training.

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics,

<http://www.equity.uwa.edu.au>