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VACANCY NOTICE

POSITION : LECTURER – SCIENCE
LOCATION : Kuching, Sarawak (Malaysia)
INDUSTRY : Education
TYPE : Fixed Term Contract
REF : C13032026/FECS/FBDA

JOB SUMMARY

Successful candidates will be expected to develop and deliver undergraduate courses in the School of Engineering and Science, covering areas related to analytical chemistry, environmental chemistry, environmental science, and their area of research expertise. Additionally, the ability to teach a wider range of science subjects including laboratory skills, sustainability, ecology, scientific communication, or introductory biotechnology will be an added advantage.

The successful candidate(s) will be expected to provide leadership in teaching, engage in research that introduces fresh directions and innovations, and foster external engagement for the School of Engineering and Science and the University as a whole.

Position Purpose

The academic staff will undertake independent teaching and research in his or her discipline or related area. In research and/or scholarship, the academic staff will make an independent contribution which expands knowledge. They will demonstrate expertise and provide leadership and service that includes coordination of activities of other staff, as appropriate to the discipline.

The academic staff will normally:

- contribute to teaching at undergraduate, honours and post graduate level;
- engage in independent scholarship and/or research;
- contribute to professional activities appropriate to his or her profession or discipline; and
- contribute to the innovation ecosystem and contribute expertise to the creation of value from innovation and engagement activities.

He or she will normally undertake administration primarily relating to his or her activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

This level will normally requires a doctoral qualification. In exceptional circumstances equivalent professional experience may be considered.

Key Responsibilities Areas

The Key Responsibility Areas (KRAs) represent the primary outputs for which the position is responsible for are not intended to provide a comprehensive list of all duties. They are derived from four portfolios applicable to Senior Lecturer:

- Learning & Teaching;
- Research;
- University Service, Leadership, Administration and Professional Activities; and
- Innovation and Engagement.

1) Learning and Teaching

- Pursuit of innovation and excellence in teaching.
- Ongoing development of curriculum and instructional material for different programs and levels.
- Convene unit of studies and conduct learning and teaching activities including lectures, tutorials (or laboratories), and assessment of students' learning to ensure a high standard of quality in the learning and teaching process.
- Provision of consultation and mentoring to students.
- Continuous development of teaching, training, and mentoring expertise.
- Design and delivery of training sessions for executive participants in management development programs.
- Expansion and development of the various learning and teaching activities of the Faculty.
- Subject to operational needs, teaching hours may be scheduled beyond office hours including weekends.
- Undertaking of learning and teaching activities and achievement of associated impact expected at the appointed Academic Level Undertaking of learning and teaching activities and achievement of associated impact expected at the appointed Academic Level.

2) Research

- Development of a portfolio of activities supporting research and scholarship.
- Dissemination of research and scholarly output through relevant platforms.
- Supervision of honours and postgraduate (including doctoral) students.
- Contribution to research training activities within the Faculty.
- Development of research groups within the Faculty.
- Securing external support for research activities.
- Development of collaborative research networks.
- Undertaking of research activities and achievement of associated impact expected at the appointed Academic Level

3) University Service, Leadership, Administration & Professional Activities

- Maintenance of high academic and professional standards in all areas of activity.
- Administration and development of the learning programs offered by the Faculty.
- Administration and development of the various educational policies and management systems within the Faculty and the University.
- Development of a vibrant academic community within the Faculty based on openness, collaboration, and experimentation.
- Professional engagement with business and industry, in fields relevant to the Faculty.
- Leadership in academic and professional activities relevant to the Faculty
- Leadership in community affairs, particularly those related to the academic areas relevant to the Faculty.
- Undertaking of leadership and service activities and achievement of associated impact expected at the appointed Academic Level

4) Innovation & Engagement

- Provide consultancy and advisory services to industry partners within areas of recognised domain expertise, in line with University policies and priorities.
- Participate in relevant industry forums with the objective of establishing and strengthening industry partnerships that deliver mutual benefit to the University (excluding academic conferences).
- Maintain active involvement and contribute to relevant professional and industry bodies.
- Contribute to internal and external communities of practice, special interest groups, professional organisations, or learned societies that advance innovation through academic expertise.
- Undertaking of innovation and engagement activities and achievement of associated impact expected at the appointed Academic Level

JOB REQUIREMENTS

- A PhD in Environmental Chemistry, Chemistry, Environmental Science, or a closely related discipline.
- Teaching experience at the tertiary level will be an advantage.
- Strong knowledge in analytical chemistry, environmental chemistry, or environmental science is essential.
- Expertise in one or more of the following areas will be an added advantage:
    - Environmental analytical chemistry for emerging contaminants (PFAS, industrial pollutants, microplastics additives, endocrine disruptors) in water/soil/sediment.
    - Green / sustainable chemistry and chemical remediation technologies (green solvents, catalytic or adsorption-based pollutant removal, circular-economy chemistry).
    - Computational/environmental chemical informatics: application of AI/machine learning, data modelling, and predictive analytics to environmental chemistry and contaminant fate/transport studies.
    - Bioprocess engineering for environmental or industrial waste treatment (non-food waste), waste-to-resource conversion, microbial or enzymatic bioremediation.
    - Tropical ecosystem geochemistry and climate-relevant chemical cycling in forests, peatlands, freshwater systems: trace metal cycling, nutrient fluxes, greenhouse-gas–chemistry interactions, soil/peat chemistry.
- Strong research track record, including publications and/or evidence of research potential.
- Excellent communication, presentation, and interpersonal skills.

TO APPLY

1. Applications should include with their application **a detailed CV** indicating qualifications, experience and other matters considered relevant to the application.

2. The application must also include a separate document addressing each applicable element of the Key Selection Criteria ***(As per attached below)***

3. Copy of all your academic certificates (compile all in one file)

4. Email your application to resume@unitalentcareer.com or whatsapp to +012-5227761

Key Selection Criteria
The application should include a separate document addressing each applicable element of the Key Selection Criteria, describing with evidence, how the applicant fulfils the essential and desirable criteria appropriate to the position being targeted.

	Qualification / Educational Background	Essential / Highly Desirable
1.	A doctoral degree (PhD) in a relevant field from a recognised institution. In exceptional circumstances equivalent professional experience may be considered.	Essential
2.	Professional qualification in a relevant field or those progressing towards the qualification (if applicable).	Essential
3.	Registration with relevant professional body (if applicable).	Essential
4.	Excellent academic results from pre-university level onwards.	Essential

	Other Skills / Experience / Knowledge	Essential / Highly Desirable
1.	Knowledge in relevant sub-areas or specialist areas.	Essential
2.	Research track record.	Essential
3.	Excellent oral and written communication skills in English.	Essential
4.	Prior teaching experience at undergraduate or postgraduate level.	Highly Desirable
5.	Ability to identify research opportunity and attract external support.	Highly Desirable
6.	Ability to foster collaborative relationships with other universities, government agencies, professional bodies, and private organisations.	Highly Desirable
7.	Familiarity with digital learning technologies.	Highly Desirable