Position Description
Lecturer, Mathematics

Details

Area	Faculty of Science, Engineering and Built Environment
Team / School	School of Information Technology
Employment	Full-time, Continuing
Location	Melbourne Burwood Campus
Classification	Level B
Manager Title	Head of School

Deakin

Deakin is a Victorian university with a global impact. We are agile and innovative, and committed to making a positive impact through our excellence in education and research and the contributions we make to the wider community.

Our reputation has been built on the dedication and expertise of our staff. We offer a dynamic, diverse and inclusive working environment with opportunities to grow and develop careers. We believe that a progressive, thriving culture will ensure people choose to come, and stay at Deakin and contribute to our ongoing success.

As one of Australia's largest universities, Deakin has strong global linkages, world-class research and an education portfolio that blends the best of campus and digital delivery into a highly supportive and personalised student experience.

We offer outstanding education founded on the experience we create for our learners and guided by graduate outcomes for successful lives and careers. We undertake globally significant discovery research that benefits our communities through the innovative translation of our ideas into new services, products, policies and capabilities.

At Deakin we value diversity, embrace difference and nurture an inclusive, safe and respectful community. Deakin is an Employer of Choice for Gender Equality, a SAGE Athena SWAN Bronze Award holder, seeking gender equity for Women in STEMM, and a Silver Award holder in the Australian Workplace Equality Index for LGBTQ inclusion. We strongly encourage applications from Aboriginal and Torres Strait Islander people and people of all cultures, abilities, sexualities and genders.

Strategic Plan – Deakin 2030: Ideas to Impact

Benefits of working at Deakin

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Lecturer, Mathematics

Overview

The Lecturer will be responsible to undertake research, teaching and publish in the area of Mathematics and Computer Science. The role will promote the discipline, School and maintain links and partnerships with relevant faculty , industry and professional communities.

Responsibilities

Education and Employability

- Maintain deep discipline knowledge which is applied to inform unit design in the area of Mathematics and Computer Science
- Lead teaching teams to develop effective unit curricula and learning resources (including through unit leadership roles)
- Be innovative in curriculum design at the unit level
- Provide learning experiences that actively engage students in their learning
- Deliver learner-centric, research-informed teaching practices across different levels / modes of delivery
- Lead unit teaching teams and works collaboratively with other unit teaching teams in the course
- Contribute to review of units and courses and implements refinements
- Implement creative teaching practices to improve student success and engagement
- Provide clear assessment criteria and timely feedback to learners to demonstrate learning outcomes
- Develop effective assessment tasks and rubrics at unit level
- Assist in applying industry, clinical and/or research practice into student learning experiences and resources
- Integrating and developing new technologies for teaching Mathematics and Computer Science to support active learning styles
- Support diverse learners by designing accessible and inclusive unit material and practices
- Design collaborative learning opportunities at the unit level
- Provide academic support to students within units
- Guide students to appropriate support services where appropriate
- Build effective unit teaching teams
- Support the development of junior colleagues
- Contribute effectively to culture of educational excellence and engages collaboratively with peers
- Complete Graduate Certificate in Higher Education Learning and Teaching
- Build teaching and learning capability related to discipline or pedagogy
- Advance knowledge within their specific fields/areas of teaching scholarship and pedagogical research activity
- Contribute to discipline-based educational or pedagogy research projects
- Demonstrate emerging reputation in teaching scholarship and pedagogical research
- Assist in integrating new pedagogical research across all aspects of education

Research and Innovation

- Initiate, designs and conducts and may lead productive, high-quality research, scholarship and creative activities generating high impact outputs in the area of Mathematics and Computer Science
- Engage collaboratively to develop novel and high-quality research or creative activities
- Widely communicates outputs to discipline(s) and the community
- Ensure impact of academic activity in the field and the community
- Support seeking funding for research and creative activities
- Build national reputation, based on growing, focused body of work recognised for quality, excellence and impact
- Initiate, design, conducts and may lead intra- and inter-disciplinary research collaborations, to enable major breakthroughs in knowledge and understanding and solutions to complex problems
- Initiate, design, conduct and may lead in development of industry partnerships and collaboration to enable major breakthroughs, innovative solutions for future translation into real world impact
- Support and may lead in applications for external competitive and other funding, and demonstrates sustained efforts
- Build track record of timely delivery of outcomes for industry partners
- Initiate, design, conduct and may lead innovation and translation into policies, frameworks, strategy, priority setting and other outcomes to create positive impact
- Initiate, design, conduct and may lead innovation and translation into products, services, new ways of operating and other avenues to create positive impact
- Support attraction of external funding for commercialization and translation activities
- Supervise honours and/or HDR students with timely completions and productive, high quality outcomes
- Provide effective mentoring to HDR students to support professional and career development and employability
- Adopt and promote a culture of research excellence, innovation and impact
- Establish/expand industry network to create opportunities for placements
- Support industry partnerships that provide HDRs with industry experience

University Citizenship and Engagement

- Assist the implementation of local citizenship activities and contribute to effectiveness as influencer
- Contribute to the implementation of specific aspects of University's strategic agenda
- Assist the implementation of community engagement activities
- Contribute to the implementation of University's community engagement agenda

Relationships

- **Internal relationships**: School-based Research Labs and Centres, Centre for Cyber Security Research and Innovation (CSRI), Centre for Research in Assessment and Digital Learning (CRADLE), University Research Institutes
- **External relationships**: National and International Mathematics bodies such as AMSI and the AMS, National and international Computer Science bodies such as Australian Computer Society, Science & Technology Australia (STA), relevant industry and government partners

Selection

Qualifications and experience

- PhD in a relevant discipline and/or other relevant qualifications and experience
- excellent record of scholarly learning and teaching in UG and/or PG programs, including innovative curriculum design
- emerging reputation in research and scholarship through publications and/or exhibitions and/or success in obtaining external research funding
- ability to make a contribution to community engagement for research and teaching
- capacity to contribute to leadership of teaching, research and/or administration
- excellent interpersonal skills and a proven ability to establish good working relationships with colleagues

Capabilities

1. **Digital Literacy**: Interprets and distils information; produces clear communications through a variety of digital platforms
2. **Collaboration:** Proactively supports working together, shares ideas and provides constructive feedback; respects and values others
3. **Emotional Intelligence**: Recognises emotions in self and others; uses emotional cues to guide thinking and behaviour
4. **Building Networks and Partnerships:** Identifies and invests in relationships essential for growth and positive outcomes
5. **Communicating with Influence**: Engages and energises others through clear and persuasive communication
6. **Personal Resilience:** Maintains composure and focus under pressure, adapts to changing situations and recovers from setbacks

Special Requirements

- Infrequent travel will be required describe further (e.g., interstate or overseas travel may be and regular travel within Victoria including between campuses)
- Drivers Licence
- Working with Children Check

Note The intention of the position description is to provide an outline of scope and responsibilities, at a point in time. Please note, responsibilities may evolve in accordance with organisational needs.