

Position Description



Position title	Lecturer in Mathematics
Department/School	Mathematics
Faculty/Division	Science
Reports to (Title)	Head of Department
Direct reports	None
Children's Worker (Vulnerable Children Act 2014)	Not applicable

The University of Auckland as an employer

MAIN PURPOSE OF THE POSITION

The successful candidate will be required to undertake high quality teaching/lecturing and high quality research in mathematics, in any area of analysis (including Functional Analysis, Topology, Theoretical PDE's and Differential Geometry). The successful applicant will be expected to teach/lecture at both undergraduate level (including teaching courses to non-mathematics majors) and at postgraduate level. The successful candidate must be able to course coordinate, develop course materials and design new courses, as well as, teach as part of a team.

The successful applicant will be expected to establish their own research programme in one of the following areas: Analysis, Geometry, or Topology and supervise postgraduate/PhD research students and be a collegial, constructive member of the mathematics department.

Finally, the applicant will also be required to perform administrative service roles for the Department of Mathematics and for the Faculty of Science.

WHAT YOU ARE EXPECTED TO DELIVER

Teaching	<ul style="list-style-type: none"> • High-quality Mathematics teaching/lecturing at undergraduate level and at a specialist post-graduate level. • Participate in course development and production of teaching materials. • Supervision of postgraduate/PhD research students.
Research	<ul style="list-style-type: none"> • Establish a research programme that attracts graduate students. • Contribute to the overall research environment of your discipline. • Establish Peer Esteem. • Publish papers in reputable journals and conference proceedings.
Service	<ul style="list-style-type: none"> • Perform administrative service roles for the Department of Mathematics and the Faculty of Science. • Contribute to creating a safe, inclusive and equitable university environment that is accepting of diversity and difference. • Acknowledge the Principles of the Treaty of Waitangi.

KNOWLEDGE, SKILLS, EXPERIENCE AND CAPABILITIES

Qualifications	<p>Essential: PhD in Mathematical Analysis.</p> <p>Preferred:</p>
Experience	Essential:

	<p>Evidence of the ability to lecture at undergraduate level. A track record of publications in refereed journals. Post-doctoral research experience.</p> <p>Preferred: Experience of the design and development of teaching resources. Evidence of activities that ensure a high quality learning experience for a diverse student body.</p>
Skills and Knowledge	<p>Essential: Evidence of teaching/lecturing skill and organisational skill.</p> <p>Preferred: Evidence of the ability to work independently.</p>
Leadership Capabilities	<p>Essential <i>Refer to the Leadership Framework Table One (at the back of this document).</i></p>
<p>The five leadership dimensions and associated capabilities (5D Leadership) reflect and encourage a culture of distributed leadership for all staff. The Leadership Framework is an important part of how we attract, select, develop and enable staff achievement.</p> <p>For the annual Professional Staff performance and development planning and review process (EVOLVE), you and your manager will choose the appropriate capabilities as outlined in the EVOLVE process.</p>	

KEY RELATIONSHIPS

Internal:

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External:

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DELEGATED AUTHORITY

Human Resources

No formal responsibility for staff.

HEALTH AND SAFETY

All staff have a responsibility for their own health and safety, and that of others who may be affected by their work and their acts or omissions.

Staff will:

- Ask for assistance if they are unsure what to do
- Make themselves aware of and follow the contents of the University's Health and Safety Policy, standards and guidelines
- Undertake all health and safety training and induction, as required
- Report any unsafe or unhealthy working conditions or any faults in equipment to the Academic Heads or Directors of Service (or their delegated nominee)
- Ensure that all appropriate personal protective equipment is worn or used as required
- Familiarise themselves with and adhere to local emergency procedures and how to provide appropriate assistance to others

OCCUPATIONAL HEALTH

The following aspects of the role require a good level of health and fitness, or involve risks to health in some pre-disposed individuals, and require referral for a pre-employment health assessment and/or ongoing health surveillance.

FINANCIAL RESPONSIBILITY

Budget Expenditure

- Responsibility for managing own operating expenditure budget.

Purchase Orders






- No authority to approve or issue purchase orders.

Purchase Card (P-Card)

- No authority to use a Purchase Card (P-Card)

Correspondence

- No authority to sign external correspondence

Dimension	Capabilities
 <p>Exhibiting Personal Leadership Rangatiratanga</p> <p>Role modelling leadership behaviours to engage others and support the University's values and aspirations.</p>	<p>Personal Attributes: Displays integrity, professionalism, adaptability and courage, accurately perceiving and interpreting own and others' emotions and behaviours in the context of the situation to effectively manage own responses, reactions and relationships.</p> <p>Interpersonal Effectiveness: Communicates with clarity, using constructive interpersonal behaviours and interactions to influence others, resolves conflict and inspires cooperation and achievement.</p>
 <p>Setting Direction Mana Tohu</p> <p>Establishing and committing to plans and activities that will deliver the University's strategy.</p>	<p>University Awareness: Displays an understanding of the international and commercial context in which the University operates and how the University works to successfully achieve results.</p> <p>Planning & Organising: Establishes courses of action for self/and others to ensure that work is completed efficiently, while building/contributing to a successful work/project/research team.</p> <p>Stakeholder Service: Ensures that the service provided to stakeholders is a driving force behind decisions and activities; crafts and/or implements service practices that meet the needs of stakeholders (including students and staff) and the University, including a safe and healthy environment.</p>
 <p>Innovating and Engaging Whakamatāra</p> <p>Identifying, creating and responding to relationships and opportunities to improve and progress the University.</p>	<p>Relationship Building: Establishes and maintains effective working relationships with stakeholders inside and outside the University, using an appropriate interpersonal style to advance the University's objectives.</p> <p>Facilitating Change & Innovation: Facilitates and supports University changes needed to adapt to changing external/market demands, technology, and internal initiatives; initiates new approaches to improve results by transforming University/community culture, systems, or programmes/services.</p>
 <p>Enabling People Hāpai</p> <p>Developing self, others and teams so they can realise the University's strategy and values.</p>	<p>Scholarship / Professional Development: Engages in discovering, integrating, applying and disseminating the knowledge and professional skills necessary to be successful in current and future roles; promotes collegiality and actively pursues development experiences to improve personal impact and that of the University.</p>
	<p>Valuing Equity: Works effectively to support the University's commitment to Māori, Te Tiriti o Waitangi and equity, and values the capabilities and insights of individuals (both inside & outside the organisation) with diverse backgrounds, styles, abilities, and motivation.</p>
	<p>Coaching and Developing Others: Provides feedback, instruction, and development guidance to help others (individuals and teams) excel in their current or future responsibilities; plans and supports the development of individual/team skills and abilities.</p>
	<p>OR</p>
	<p>Leading Teams: Uses appropriate methods and interpersonal styles to develop, coach, motivate, and guide the work/project/research team to attain successful outcomes and objectives.</p>
 <p>Achieving Results Whai hua</p> <p>Accepting accountability for making decisions and taking action to deliver the University's strategy and deliver excellent results.</p>	<p>Decision Making: Identifies and understands issues, problems, and opportunities; compares data from different sources to draw conclusions and uses effective approaches for choosing a course of action or developing appropriate solutions; takes action that is consistent with available facts, constraints, and probable consequences.</p> <p>Delivering Results: Sets high objectives for personal/group accomplishment; uses measurement methods to monitor progress toward goals; tenaciously works to meet or exceed goals managing resources responsibly; seeks continuous improvements.</p>