



JOB DESCRIPTION

**Assistant Professor in Mathematics
School of Mathematical Sciences
Faculty of Science & Health
3-year Fixed Term Contract**

Dublin City University

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education, and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

Overview of the department

The School of Mathematical Sciences offers undergraduate and post-graduate degree programmes in Actuarial Mathematics, Financial Mathematics, Mathematics Teacher Education, and Astrophysics and Relativity, in addition to service Mathematics courses across all five Faculties of the University.

The School has a broad research profile in the Mathematical Sciences, with research carried out in five main areas: Algebra and Geometry, Analysis and Probability, Financial and Actuarial Mathematics, Mathematics Education, and Relativity and Astrophysics (see <https://www.dcu.ie/maths/research-mathematical-sciences-1>).

Role Profile

The School of Mathematical Sciences in Dublin City University seeks to appoint an Assistant Professor in any area of Mathematics, including Statistics and Data Science, to begin on 1 September 2024 for a duration of three years. As detailed below, the role includes teaching, student mentoring and supervision of taught projects, research, and administrative duties. The successful individual will be based in the School of Mathematical Sciences on the DCU Glasnevin Campus and will report to the Head of the School of Mathematical Sciences.

Duties and Responsibilities

The duties and responsibilities of the position include, but are not restricted to, the following:

Teaching and Learning

The successful individual will teach at both undergraduate and postgraduate degree levels and will participate in student mentoring and tutoring. The total teaching hours and responsibilities are set down on an annual basis by the Head of School (in consultation with the School's Teaching Convenor).

Research and Scholarship

The appointee will sustain and conduct high-quality research in Mathematics, generate external research funding, supervise postgraduate students, and publish to the highest international standard either individually or in collaboration with colleagues in DCU and elsewhere. The appointee will have clearly articulated research interests and future plans, which dovetail with the school's current research priorities.

Service and Contribution to the University and Society

The successful individual will undertake administrative and service functions related to the activities of the School of Mathematical Sciences, the Faculty of Science & Health and the University at large. Such duties will be defined by the Head of School and may include some of the following: degree programme coordination; participation in committees; visits to students on industrial placement within the DCU INTRA programme; student recruitment.

Qualifications and Experience

- Individuals must hold a PhD in Mathematics or a closely related area.
- Have a strong track record of original research supported by publications in top international journals or, depending on career stage, show exceptional promise in this regard.
- Applicants should demonstrate experience in, or clear potential of, attracting external funding for their research.
- The successful individual should also have experience of teaching Mathematics effectively at university level.