



## **JOB DESCRIPTION**

### **Assistant Professor in Mathematics School of Mathematical Sciences 11-month fixed term contract**

#### **Dublin City University**

Dublin City University (DCU) is a young, ambitious and vibrant university, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise', DCU is a values-based institution, committed to the delivery of impact for the public good. DCU was named Sunday Times Irish University of the Year 2021.

DCU is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. More than 18,000 students are enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education.

DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on delivering a transformative student experience, and its positive social and economic impact. The university continues to develop innovative programmes in collaboration with industry, such as the DCU Futures suite of degrees, which are designed to equip graduates with the skills and knowledge required in a rapidly evolving economy.

DCU's pursuit of excellence has led to its current ranking among the top 2% of universities globally. It is also one of the world's Top Young Universities (QS Top 100 Under 50, Times Higher Top 150 Under 100). In the Times Higher Education University Impact Rankings 2021, DCU ranked 23rd in the world for its approach to widening participation in higher education and its ongoing commitment to eradicating poverty, while it ranks 38th globally for its work in reducing inequality and 89th globally for gender equality.

The university is ranked 23rd in the world and first in Ireland for its graduate employment rate, according to the 2020 QS Graduate Employability Rankings. Over the past decade, DCU has been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

## **Overview of the department**

The School offers undergraduate and post-graduate degree programmes in Actuarial Mathematics, Financial Mathematics and Mathematics Teacher Education, 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 several areas including Actuarial Mathematics, Differential and Difference Equations, Differential Geometry, Financial Mathematics, General Relativity, Group Theory, High Performance Computing, Mathematical Physics, Mathematics Education, Numerical Analysis, Quantum Fields, Statistics, Stochastic Analysis, and Theoretical Astrophysics. (<http://www.dcu.ie/math/index.shtml>).

## **Role Profile**

The School seeks to hire an Assistant Professor on a temporary basis, in order to fill teaching needs that have arisen in connection with staff on leave and other transitory changes in teaching needs. The successful individual will be teaching in-person modules in Mathematics and related topics, will be based in the DCU Glasnevin campus, and will report to the Head of 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 candidate will teach undergraduate modules in Mathematics, including service modules, conduct continuous assessments and exam marking, and will participate in student mentoring and tutoring. Such duties are identified by the Head of School.

### **Research and Scholarship**

The successful candidate will perform research in Mathematics, independently or in collaboration, and may contribute to the supervision of post-graduate students.

### **Service and Contribution to the University and Society**

The successful candidate will undertake administrative functions related to the activities of the School of Mathematical Sciences and of the Faculty of Science & Health, as advised by the Head of School.

## **Qualifications and Experience**

- A Ph.D. in Mathematics or related discipline.
- Experience in teaching Mathematics to undergraduate students.
- Ability to communicate effectively and work efficiently with students and colleagues.