



Applications are invited from suitably qualified candidates for the following position:

**Assistant Professor in Mathematics
School of Mathematical Sciences
Faculty of Science & Health
Fixed Term Three Year Contract**

Introduction

Dublin City University www.dcu.ie is a young, dynamic, and ambitious University with a distinctive mission to transform lives and societies through education, research, and innovation. We are a research-intensive, globally-engaged institution, distinguished by both the quality and impact of our graduates, and focus on the translation of knowledge into societal and economic benefit. Excellence in education and research activities has led to DCU's consistent presence in the rankings of the world's top young universities.

Over its relatively short history DCU has developed a strong reputation nationally and internationally for pioneering innovations in higher education. The University is embarking on a period of significant investment in learning innovation across all of its Faculties. This initiative will help us transform the learning experience of undergraduate students at DCU, reconceptualizing learning opportunities, creating authentic connections between the classroom and enterprise, and embedding digital literacies, disciplinary competencies, and transversal skills required to truly future-proof our graduates for the rapidly changing workplace. DCU is joined in this project by a strong consortium of enterprise partners, representing key employment sectors in the Irish economy and with a strong presence in DCU's primary catchment area. This programme of innovation is funded under the Irish government's Human Capital Initiative (HCI) supported by the National Training Fund. It will deliver on the ambitions we have to reimagine undergraduate curricula and to embed innovative pedagogies, enhanced use of technology, and deep industry engagement.

School of Mathematical Sciences

The School of Mathematical Sciences www.dcu.ie/maths 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 Mathematics, 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 www.dcu.ie/maths/index.shtml

Relationships

The position will report to the Head of School and work closely with other colleagues, the Teaching Convenor/Associate Dean of Teaching and Learning, and industry partners. Building positive relationships with professional support staff and technical and pedagogy specialists, and engagement with key stakeholders within and outside of DCU is an important part of this role.

The Role

The School seeks to recruit an Assistant Professor in any area of Mathematics, including Statistics and Actuarial Science to support the School in implementing an innovative curriculum project, in partnership with the Schools of Chemistry, Physics, and Computing.

The appointee will support the School in implementing the project by:

- developing and delivering a new undergraduate programme/specialism;
- ensuring an industry engaged, research-led approach, integration of challenge based learning, digital tools, and hybrid delivery;
- the broader implementation of teaching approaches into other target programmes in the school;
- engaging with University-wide elements of the initiative including cross faculty cooperation; project evaluation, and reporting.

The role includes teaching, student mentoring and supervision of taught projects and research. Alternatively, supporting the School's implementation of the curriculum project may involve assuming teaching responsibilities of other School members assigned to the project.

Duties & Responsibilities

See job description for full list of duties and responsibilities.

Applicant Requirements

- Applicants must hold a PhD in Mathematics.
- Applicants must have demonstrated teaching experience at undergraduate and/or postgraduate level, ideally including experience in innovative pedagogies and/or assessments, international and/or online or technology-assisted teaching.
- Applicants must have strong research credentials and publication record.
- The successful applicant will also have demonstrated potential to establish an independent research programme and attract research funding from competitive research funding schemes and/or industry.
- Applicants should demonstrate excellent interpersonal and communication skills consistent with the highest quality of teaching and learning, together with evidence of successful teamwork and a collegial approach.

Salary Scale: Assistant Professor Above Bar: *€54,163 - €86,182

**Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the relevant salary scale in line with current Government pay policy.*

Closing Date: Wednesday 6th January 2021

Informal Enquiries to: Professor Paolo Guasoni, Head of School of Mathematical Sciences, Dublin City University, Dublin 9. Tel: 353 1 700 8921; Email: paolo.guasoni@dcu.ie
Do not send applications to this address. Instead, apply using the procedure set out below.

Application Procedure: Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>

Applications must be submitted by e-mail to hr.applications@dcu.ie

Please clearly state the role that you are applying for in your application and email subject line:
Job Ref #BC0610 Assistant Professor in Mathematics.

*Dublin City University is an equal opportunities employer. In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes. The University’s Athena SWAN Bronze Award signifies the University’s **commitment to promoting gender equality and addressing any gender pay gaps**. Information on a range of university policies aimed at creating a supportive and flexible work environment are available [in the DCU Policy Starter Packs](#)*