



**School of Mathematical Sciences,  
Faculty of Science & Health  
Assistant Professor in Financial Mathematics  
Permanent Contract**

**Introduction**

Dublin City University ([www.dcu.ie](http://www.dcu.ie)) is a research-intensive, globally-engaged, dynamic institution.. Excellence in its education and research activities has led to its consistent position in the rankings of the world's top young universities, such as the QS and Times Higher top 50 international universities under 50 years old.

The School of Mathematical Sciences in Dublin City University 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, Stochastic Analysis and Theoretical Astrophysics. (<http://www.dcu.ie/math/index.shtml>).

**Assistant Professorship**

The School seeks to recruit an Assistant Professor in Financial Mathematics to develop and expand its research and teaching activities in this area. Depending on experience, qualifications, and professional track record, the position may be either a 5-year appointment or a permanent position. Appointment at the Associate Professor level may be possible for exceptionally qualified candidates.

**Criteria:**

Applicants must hold a PhD in Financial Mathematics or related discipline. They must have a record of original, high-impact research supported by publications in top international journals or, depending on their career stage, show exceptional promise in this area. They must also show experience teaching Mathematics effectively to both undergraduate and postgraduate students. Commitment to securing external research funding is essential.

Duties attaching to the post include, but are not limited to:

**Teaching**

The successful candidate will teach at both undergraduate and postgraduate degree levels and will participate in student mentoring and tutoring, and preparing, delivering and assessing a range of modules at both undergraduate and postgraduate levels. Academic staff in the School typically teach an average of five modules per year, and participate in the supervision of final-year and Master's

research projects and undergraduate work placements. Teaching remission is given to academics undertaking significant administrative duties or with significant research activities.

Development of new degree programmes and new policies and procedures related to programme delivery are also an integral part of teaching duties. The total teaching hours and responsibilities are set down by the Head of School and the Teaching Convenor on an annual basis.

### **Research**

Working as part of the Financial Mathematics group in the School, the successful candidate will establish and develop an independently-funded research programme in this area, including supervision of post-graduate and post-doctoral researchers.

### **Administration**

The successful candidate will undertake administrative functions related to the activities of the School of Mathematical Sciences and of the Faculty of Science & Health, and in particular, to the School's taught programmes in Financial Mathematics. Such duties are defined by the Head of School and may include chairing degree programmes offered by the School, participating in meetings related to programmes, liaising with staff from external organizations, and attending other School forums as required. Administrative duties may also include participation in University committees, representation of the School in marketing and recruitment of students, developing relationships with employers, participation in open days, organization of conferences and seminars etc.

### **Athena SWAN Charter**

Dublin City University is an equal opportunities employer. Information on a range of university policies aimed (among other things) at creating a supportive and flexible work environment is available at <http://www4.dcu.ie/policies/policy-starter-packs.shtml>. The university holds an Athena SWAN Bronze Award and is committed to promoting gender equality.

### **Current Salary Scales (2017)**

Lecturer Below Bar : €38,352-€52,724

Lecturer Above Bar: €51,159-€79,147

Appointment will be commensurate with qualifications and experience, and will be made on the appropriate point of the Lecturer Above Bar or Lecturer Below Bar salary scale in line with current Government pay policy.

### **Closing Date**

7<sup>th</sup> January 2018

### **Informal Enquiries**

For further information, please contact:

Dr Brien Nolan, Head, School of Mathematical Sciences, DCU

E-mail: [brien.nolan@dcu.ie](mailto:brien.nolan@dcu.ie), Telephone: +353 (0)1 700 5778

### **Application Procedure:**

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #692: Assistant Professor in Financial Mathematics

Applications should be submitted by email to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie) or by post to the Human Resources Department, Dublin City University, Dublin 9. Email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)  
Telephone: +353 1 700 5149  
Post: Human Resources Department, Dublin City University, Dublin 9  
Fax: +353 1 700 5500

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