FURTHER PARTICULARS

PETERHOUSE FIXED TERM EARLY CAREER COLLEGE LECTURESHIP AND FELLOWSHIP IN MATHEMATICS

This Fixed Term Early Career Lectureship in Mathematics at Peterhouse is intended to provide an opportunity to an individual at the beginning of their academic career to develop teaching skills, a publication record and other academic activity with a view to obtaining a University appointment in Cambridge or elsewhere. They are offered for a fixed term of no more than five years, which will not be renewed or extended.

College Teaching

At Cambridge University, College teaching takes the form of small group teaching (referred to as supervisions) each week, usually in groups of one or two. There are two Terms of eight weeks (Michaelmas and Lent); the third Term (Easter Term) has four weeks of teaching and three weeks set aside for University examinations.

The successful candidate would be expected to supervise at least 120 hours per year for the College, equivalent to an average of six hours per week in Full Term. If the Lecturer chooses to undertake additional teaching beyond this level it would be paid for at the College's normal hourly rates. In addition, the successful candidate will often be expected to act as Director of Studies in Mathematics and to carry out further duties, as described in the following section.

Peterhouse admits approximately eight undergraduate students per year in mathematics and has a long and distinguished tradition. Notable Petreans in mathematics include Charles Babbage, Lord Kelvin, Peter Guthrie Tait, Edward Routh, Klaus Roth, Charles Burkill, Dan Segal and Imre Leader.

The successful candidate is likely to be someone able to offer supervision of the highest quality in a number of courses offered by the Faculty of Mathematics. In particular it is essential that the post-holder can offer teaching in many of the following courses: Vectors and Matrices, Differential Equations, Vector Calculus, Dynamics and Relativity in Part IA, Methods, Quantum Mechanics, Complex Methods, Numerical Analysis, Electromagnetism, Fluid Dynamics, Variational Principles in Part IB. Further information about the Mathematical Tripos and a detailed description of the courses available can be found here:

https://www.maths.cam.ac.uk/undergrad/course
The constituents of the Faculty of Mathematics are the Department of Applied Mathematics and Theoretical Physics (DAMPT) and the Department of Pure Mathematics and Mathematical Statistics (DPMMS). Further information about these can be found here:

https://www.damtp.cam.ac.uk/

https://www.dpmms.cam.ac.uk/

Further details about Mathematics at Peterhouse can be found here:

https://www.pet.cam.ac.uk/mathematics

**Additional College Responsibilities**

In addition to the specific teaching requirement, the successful applicant will be expected to play a full part in the academic life of the College, including:

a) When required, to act as Director of Studies by:

- Monitoring the academic programme of undergraduates, giving advice on their choice of courses and progress, and liaising with their personal Tutors;

- Arranging supervisions for the undergraduate courses in Mathematics, involving liaison with supervisors and the Faculty;

b) Pursuing research and publication in his or her chosen field;

c) If asked, taking on other College offices or duties as required, which will always be commensurate with an early-career appointment;

d) Attending meetings of the Governing Body (usually every two weeks in Full Term) and other College committees;

e) Assisting with Admissions activities including interviewing student applicants to the College, attending Open Days and assessing graduate applications;

f) Interacting with the Faculty where necessary, including attending the biannual meetings of the Directors of Studies in Mathematics. There may also be opportunities to give lecture courses and to take part in examinations at every level of the Mathematical Tripos.

**Research and Publication**

The teaching commitment for the College has deliberately been set at a level that should enable the successful candidate to devote sufficient time to research and publication as well as to build other skills that might enhance their curriculum vitae. If there are relevant
professional development courses offered by the University and other institutions, the successful candidate will be encouraged and expected to take advantage of these opportunities. In addition, a research allowance is made available to help contribute towards the cost of attending conferences or towards the cost of computer equipment.

Support

Upon appointment, the successful candidate will be encouraged to attend an induction course on supervising and any other training courses that might prove relevant. The candidate will also be required to attend training for new interviewers (a requirement by Cambridge Admissions Office).

There will also be informal meetings with an assigned mentor who is a Fellow of the College, where relevant issues to be discussed may encompass the following topics:

- Publication strategies;
- The balance of research, publication and teaching;
- When and how to apply for University posts and advice on such applications;
- Connections with the Faculty of Mathematics at the University and any possible opportunities for undertaking teaching and/or examining duties there.

The College Lecturer will also receive a formal annual appraisal from another Fellow of the College.

Conditions of Employment

The successful candidate will be employed by the College for a five year fixed term, without possibility of renewal, from 1 September 2018 (or at the very latest by 1 October) for five years until 31 August 2023 (or 30 September 2023 if starting on 1 October), as a Fixed Term Early Career College Lecturer and Fellow, subject to the College’s Statutes and Ordinances. They will be elected to a Fellowship of the College and will be expected to reside in Cambridge.

The stipend will be on a band between points 38-42 of the Cambridge University scale (currently £28,935-£32,548), plus an annual research allowance of £1,389 and entertainment allowance of £613. Additional College teaching beyond 120 hours per annum will attract extra remuneration. There is also extra remuneration for acting as Director of Studies and for conducting interviews for admissions if they exceed eight hours of interviews.

The stipend is pensionable under the University Superannuation Scheme.

The Fellow will also be eligible for single-occupancy residential accommodation in College free of charge. Fellows with a partner may also live in College accommodation, subject to a
contribution to rent and bills for their partner. A Fellow with a family would also be eligible for suitable housing close to the College at a significant rental discount. The College has a car park (in the centre of Cambridge) which Fellows may use.

A College room is provided for teaching and other academic purposes. The Fellow would also be entitled to seven free meals a week in College, with further meals at their own expense.

**Leave and Child Care**

The Fellow is entitled to 28 days’ annual paid leave and is expected to plan it outside the days of Full Term. There would be an entitlement to sabbatical leave of one term in seven, plus one additional sabbatical term in the fifth year, if requested.

The College’s provisions for maternity, paternity, adoption and parental leave are similar to those of the University. The College also has an arrangement with a local Nursery/Pre-School provider which offers a limited number of priority places for the children of College Fellows and staff.

* It should be noted that a successful candidate for the Fellowship who does not have an automatic right to work in the United Kingdom (including anyone who is completing a PhD at an overseas institution) will be subject to the visa requirements of the United Kingdom. The College will give advice and assistance but ultimately it will be the responsibility of the candidate to obtain the necessary visa.