College Lectureship in Applied Mathematics (part-time)

Further Particulars

St. Peter’s College invites applications for a fixed-term part-time College Lectureship in Applied Mathematics for a period of one year (1 October 2024 to 30 September 2025).

Applicants should have completed, or have made substantial progress towards, a doctoral dissertation in this subject.

The College currently admits circa eight undergraduate students a year to read Mathematics or Joint Schools with Mathematics. The appointee will work alongside the College’s Fellow in Applied Maths, Prof Lionel Mason, the College’s Fellow in Statistics, Dr Geoff Nicholls, and other lecturers.

Full information about the College is available on the College website www.spc.ox.ac.uk.

1. Duties

The successful applicant will be expected to:

(i) provide an average of two hours\(^1\) of undergraduate tutorials and classes per week for St Peter’s College students in some of the following courses\(^2\):

- Prelims: M5 Fourier and PDEs or M4 Dynamics
- Part A: some of the physical applied options: A1 Differential Equations, A6, A10, A11 ASO Integral transforms, Calculus of Variations, and Special Relativity;

and to provide feedback on students’ work, both week by week and at the end of term;

(ii) assist with the organisation of the tuition for students studying Mathematics and Mathematics & Statistics, including marking college examinations (‘collections’) and mock examination questions in the subjects taught;

(iii) be available as an interviewer for the 2024 Undergraduate Admissions exercise (expected to be 10\(^{th}\) week Michaelmas term, mid December 2024).

A more detailed guide to tutorial responsibilities and other information will be communicated to the successful candidate by the Senior Tutor following appointment.

2. Selection Criteria

To be successful, candidates will need to show that they meet the following selection criteria:

(i) be a dedicated and inspiring teacher of Applied Mathematics, with demonstrable research potential (eg. a doctorate, or substantial progress towards one), and a willingness to contribute to the intellectual culture of Mathematics and Statistics within the College;

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\(^1\) Teaching hours are calculated on the basis of teaching students in pairs. (Any hours spent teaching larger groups are counted as 1.2 hours, while any hours spent with individual students count as 0.8 hours.)

\(^2\) Follow links starting from https://courses.maths.ox.ac.uk/ to find out more about these courses.
(ii) have experience of, or demonstrable commitment to, tutorial teaching and the ability to inspire students both individually and in groups;

(iii) be able to teach some of the Prelims and/or Part A physical applied courses as detailed above;

(iv) have good communication and interpersonal skills; and

(v) be prepared to undertake admissions training if necessary.

3. Remuneration and conditions

Term of appointment
The appointment will be for a fixed term of one year starting on 1 October 2024.

Remuneration and other conditions
Remuneration will be pro rata on the Senior Tutors Committee scale for Stipendiary Lecturers. The rate for a 2-hour post is £5,081 to £5,661 pa (£423 to £472 per month). The appointee will have access to an entertainment allowance of £53 over the period of the appointment.

Pension scheme
The Lecturer will be automatically enrolled in the Universities Superannuation Scheme with effect from the start date of their employment; it is possible subsequently to opt out.

Senior Common Room
The successful candidate will be an associate member of the Senior Common Room and will be entitled to two free lunches or dinners per week during termtime and two lunches per week during the vacation, provided that the kitchens are open (they are occasionally closed for short periods, normally during the vacation). They will not be a member of the College’s Governing Body.

College teaching rooms may be booked as necessary.

4. Application procedure

Candidates should send a letter of application that includes a statement of which options/courses they are able to teach, a CV and the name and contact details of two referees electronically to the Fellows’ Secretary (academic.appointments@spc.ox.ac.uk), St Peter’s College by 12noon on Monday 24 June 2024 (There is no application form.) They should ask their referees to write on their behalf to the same email address by the closing date.

Please include the words ‘Lectureship (Applied Maths)’ in the subject line of all email correspondence.

Shortlisting decisions will be made later the same week and it is expected that interviews will take place on Thursday 4 July or Friday 5 July. General queries can be sent to Prof Lionel Mason (lmason@maths.ox.ac.uk)

St Peter’s is an equal opportunities employer.

The appointment will be subject to the provision of proof of the right to work in the UK.

June 2024