College Lectureships in Pure Mathematics (part-time): three posts

Further Particulars

St. Peter’s College invites applications for three fixed-term part-time College Lectureships in Pure 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 Statistics, Dr Geoff Nicholls, the College’s Fellow in Applied Maths, Prof Lionel Mason 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 three or four hours¹ of undergraduate tutorials and classes per week for St Peter’s College students, 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 mark 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 10th week Michaelmas term, mid December 2024).

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

2. Posts available

Three posts are available:

Post P1, a 4-hour lectureship to teach the following Part A papers:

- A2 Metric Spaces and Complex Analysis
- A5 Topology
- ASO: Number Theory
- ASO: Multidimensional Analysis and Geometry

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.)
Post P2, a 3-hour lectureship to teach the following Prelims and Part A papers:
- Intro to Complex numbers
- M2 Analysis I
- M2 Analysis II – Continuity and Differentiability
- M2 Analysis III – Integration
- ASO: Graph Theory

Post P3, a 3-hour lectureship to teach the following Part A papers:
- A0 Linear Algebra
- A3 Rings and Modules
- ASO: Group Theory

The division of posts above is indicative, and there will be some scope to exchange papers across posts. Candidates who seek a combination of the above posts will be welcomed.

3. 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 Pure 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;

(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 the courses listed above (as appropriate for the post applied for); it is desirable but not essential to be able to offer short reading projects as stint permits. These are typically based on Part B and C courses in the postholder’s area of expertise.

(iv) have good communication and interpersonal skills; and

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

4. 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 4-hour post is £10,162 to £11,322 pa (£847 to £944 per month) while the rate for a 3-hour post is £7,622 to £8492 pa (£635 to £708 per month). The appointees will have access to an entertainment allowance of £106 or £79 over the period of the appointment.

Pension scheme
The Lecturers 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

Follow links starting from https://courses.maths.ox.ac.uk/ to find out more about these courses.
The successful candidates will be an associate member of the Senior Common Room and will be entitled to four or three 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.

5. 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 PX (Pure Maths)’ in the subject line of all email correspondence, where PX indicates the post(s) of those listed above being applied for.

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 Dr Geoff Nicholls (nicholls@stats.ox.ac.uk) or 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