

MATHEMATICAL SCIENCES OPEN DAY

Programme of Events

Saturday 28th April 2012

Two Schedules will be run during the days, separated by 45 minutes.
The times are given below with the second schedule's times in brackets.

REGISTRATION IS REQUIRED FOR THIS OPEN DAY

For those interested in
MATHEMATICS or **MATHEMATICS AND STATISTICS**:

From 10.00 (10.45) Coffee

Refreshments will be available in the Common Room
An Information Desk will be operating and Prospectuses will be available

10.30 (11.15) Introduction

A short introductory talk about the variety of ways in which university maths differs from A-level maths.

10.50 (11.35) Mathematics at Oxford

Dr Janet Dyson talks on how the Oxford experience of University Mathematics is different, and gives overview of the courses

11.15 (12.00) A Talk by a Current Undergraduate

A representative from MURC (the mathematics student organisation) gives an alternative viewpoint

11.30 (12.15) Applying to Oxford

Dr Neil Laws, Director of Studies (Statistics) describes the admissions procedure, followed by a Q&A session

12.00 (12.45) Pure Mathematics

Dr Richard Earl discusses aspects of pure mathematics which is common to all our undergraduate degrees and includes algebra, analysis, geometry, number theory.

12.30 (1.15) Buffet Lunch

With opportunities to meet current students and lecturers

1.15 (2.00) Applied Mathematics

Dr Ruth Baker talks on the many different ways mathematics can be applied to real-world situations through mathematical models, including biology, physics, finance etc.

1.45 (2.30) Statistics

Dr Geoff Nicholls talks on ideas from the Probability and Statistics courses, about the joint degree, and how statistics applies to real world situations including to genetics

2.30 The Foundations of Mathematics

As described below, this talk, mainly being about set theory, will also be of interest to those wishing to find out more about pure mathematics and logic.

Notes:

ATTENDANCE AT THE OPEN DAY IS BY PRIOR RESERVATION ONLY.

Please fill in a registration form.

There are 260 places available (130 on each schedule).

You will be contacted by us closer to the time to say which schedule you are on. We request that people on schedule 2 arrive in the Institute no earlier than 1045.

Please express, on the registration form, any preference you have between the April 28 and May 5 open days and their schedules.

The talks are somewhat academic in flavour, and aimed at students. Teachers and parents are also welcome, **but numbers are limited to one non-students per student.**

Tea will be available in the Common Room from around 2.15.

There are three further open days on:

- **Wednesday June 27th**
- **Thursday June 28th**
- **Friday September 14th**

which do not require prior registration, but the college open days on the same dates **do** require registration.

MATHEMATICS AND COMPUTER SCIENCE

Those interested in the joint degree with Computer Science should attend the talks on one of the above schedules up to and including Pure Mathematics, before being escorted to the Computing Laboratory where there is a lunch from 1pm. This is followed by a talk at 1.45 about *Computing at Oxford*

MATHEMATICS AND PHILOSOPHY

Those interested in the joint degree with Philosophy should attend the talks on one of the above schedules up to and including Pure Mathematics. In the afternoon there will be two further talks:

1.45 Mathematics and Philosophy: A talk by Dr Dan Isaacson, a philosophy tutor, on the joint degree with Philosophy and how the two subjects combine.

2.30 The Foundations of Mathematics: Dr Richard Earl looks at some surprising 20th century results about Sets and Logic which left mathematicians thinking very differently about their subject.