



Mathematical
Institute

OMMS and Part C induction – lectures and classes

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Oxford
Mathematics

Welcome/welcome back!



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Welcome to all our new OMMS students, and welcome back to Part C students.

This session will be relevant for Part C and OMMS alike, and will explain arrangements for lectures and classes this academic year, in the Maths Institute and the Statistics Department. (There will also be a separate section later specifically about Statistics.)

What you will be doing



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- Lectures
- Classes
- Dissertation

Dissertation



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There will be a [Friday@2](#) session dedicated to dissertation

Useful information, including the list of topics can be found at:

<https://courses.maths.ox.ac.uk/enrol/index.php?id=5016>

The project archive is here:

<https://www.maths.ox.ac.uk/members/students/undergraduate-courses/teaching-and-learning/projects/project-archive>

Lectures

- These will be delivered live.
- Live lectures will be recorded.
- You can watch Maths recordings via Moodle
<https://courses.maths.ox.ac.uk/>
- Attendance is highly recommended! You are also welcome to rewatch the recordings afterwards.

Lectures



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- You'll find Maths problem sheets, and possibly lecture notes too, on <https://courses.maths.ox.ac.uk/>
- The corresponding site for Statistics courses is <https://canvas.ox.ac.uk/>

The people involved in a course



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- The **lecturer**, who writes and delivers the lectures, sets the problem sheets and sets the assessment
- The **students**, who (if they register) will be assigned to intercollegiate classes, typically with 8-12 students.
- The **class tutor**, who leads most of the class teaching
- The **marker**, who marks some of the work

Problems sheets



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- New this year, lecturers have been asked to have three sections per sheet.
- Section A: warm-up problems, with solutions
- Section B: hand in for marking, discuss in class
- Section C: optional follow-up problems, with outline solutions/references
- Section B of problem sheets 1 and 3 will be marked. Model solutions will be released by the lecturer for problem sheets which are not marked.

Classes

- The intercollegiate classes are your main opportunity to ask questions and to get feedback on your work.
- Please be actively involved, and use them to help your learning!

How classes work



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- You hand in your work (electronically, via Moodle/Canvas).
- You, the rest of your class and the tutor spend 90 minutes discussing the problems and related material from the lectures.
- The feedback and grades are formative (so don't count to your year's overall marks).

How to hand in work

- Hand in work via Moodle/Canvas, receive marked work back in the same place
- Details of deadlines are given alongside other details of the class. Late work might not be marked!
- Tips on scanning work:

[https://www.maths.ox.ac.uk/members/it/faqs/files/p
hone-scanning](https://www.maths.ox.ac.uk/members/it/faqs/files/p
hone-scanning)

Other useful things to know about classes



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- All classes will be held in person
- After each class, the tutor will update the TMS database to record attendance and progress on problems sheets
- Your college tutor/department advisor will see this feedback and discuss it with you (eg at the end of term)

Other useful things to know about classes



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- If you don't attend, your tutor/advisor will be notified
- It's fine to start with 5 classes and plan to continue with 4 (for example). BUT...
- ...if you are no longer attending a set of classes – because you have dropped that option – tell the class tutor as soon as possible and in particular before the end of Week 4.

Other useful things to know about classes



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- Changing between classes (for the same option) can sometimes happen but is not automatic. This will need the permission of the lecturer and tutors involved.
- You will need to submit your exam entry form in HT, saying which courses you are taking for assessment. This can be changed afterwards, but only for a fee.

What to expect – what we tell tutors



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- There are many ways of teaching classes, but a class should not be just a problems class.
- Some tutors start by putting the material in context and reviewing the topics, drawing this from students. Others give a review at the start of each question or group of questions.
- This can also be a way of encouraging students to participate. Lack of participation can sometimes be a problem, particularly at the beginning of term when students may not know each other or the Tutor.

Top tips



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- Plan your time carefully, especially if your deadlines are bunched close together. Start soon!
- Collaborate (appropriately) with other students.
- If you are uncertain about something in your written work, write a note in the margin and this will help the TA to give you useful feedback when marking.
- Be willing to speak up in class.

Consultation sessions

- Consultation sessions take place in Trinity Term, by way of revision support.
- These typically run for 4 weeks of Trinity and the number of sessions organized is in proportion to the number of students taking the option.
- It is the aim of the department to also provide model solutions to three sets of past papers (or sample papers) to further support revision.

Fridays@2

- This programme includes sessions on careers, skills development, ...
- Some Fridays, at 2pm, in L1.
- Check the detailed programme to see which sessions will be most relevant to you.
- Watch for announcements in the student bulletin (by email, weekly on Fridays).

Useful contacts – you could (as appropriate) email...



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- The course lecturer
- The class tutor or marker
- Your college tutors
- The Academic Lead for Part C (belyaev@maths.ox.ac.uk)
- acadadmin@maths.ox.ac.uk
- student.hotline@maths.ox.ac.uk



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Part B – Statistics

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Part C and OMMS – Statistics



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You might be:

- A Maths & Stats student taking Part C
- An OMMS student intending to take lots, or at least some, Statistics Dept courses
- A Maths Part C student intending to take at least some Statistics Dept courses
- Not intending to take any Statistics Dept courses this year

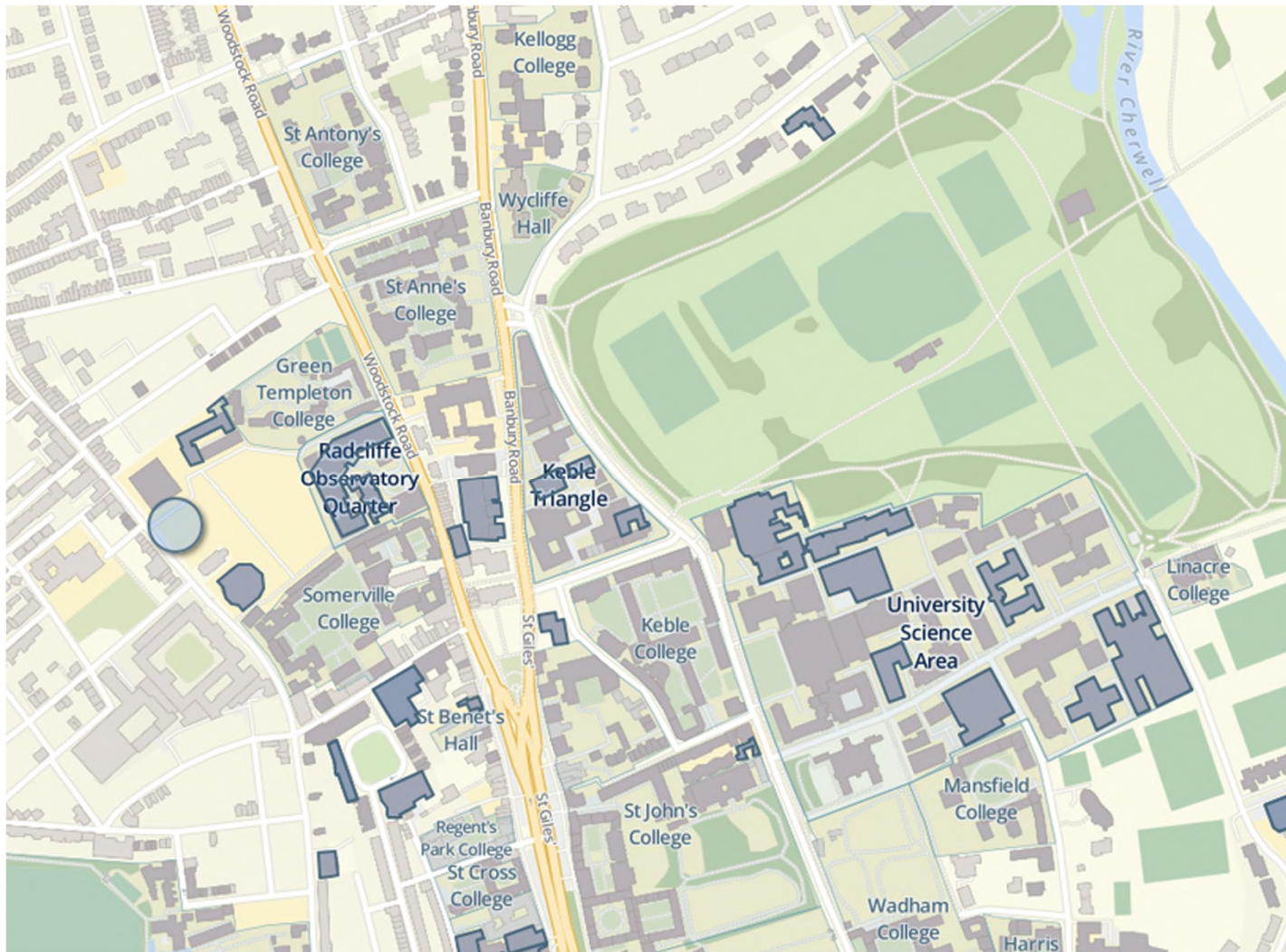
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24-29 St Giles', OX1 3LB





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Courses



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Michaelmas Term

- Stochastic Models in Mathematical Genetics
- Probability and Statistics for Network Analysis
- Graphical Models
- Probability on Graphs and Lattices

Hilary Term

- Advanced Topics in Statistical Machine Learning
- Advanced Simulation Methods
- Bayes Methods
- Topics in Computational Biology

Course material



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Course material for Statistics Dept courses are on Canvas:

<https://canvas.ox.ac.uk/courses/224077/pages/year-4-part-c>

There is also a link from:

<https://www.stats.ox.ac.uk/bammath-mathematics-and-statistics-student-resources>

Lectures and classes



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- Lectures: in-person and recorded
- Intercollegiate classes: in-person and not recorded
- Need to submit your work for classes via Canvas, also receive marked work back via Canvas – instructions are on Canvas
- Problem sheets in section A (“introductory”), B (“core”) and C (“further”) format – with only section B of sheets 1 & 3 for marking

Dissertations



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Dissertations – mostly identical for Maths Part C, Maths & Stats Part C, OMMS

Except:

- Maths & Stats students must do a stats dissertation
- Maths students can give preferences for up to 3 stats dissertations (out of 5 choices), but we can't guarantee you'll get one of the 3
- OMMS can give preferences for up to 5 stats dissertations
- Priority will be given to Maths & Stats, and to OMMS students who indicated interest in Statistics/Probability/Machine Learning when applying
- Dissertation submission (in April) may be slightly different for Maths & Stats students