



**BALLIOL COLLEGE
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From Paul Buckley, Tutor in Engineering

17 August 2011

Dear Engineering Fresher

Congratulations on your examination results! We are looking forward to welcoming you to Balliol in a few weeks.

The first year of your university course leads to an examination with four written papers

- P1 Mathematics*
- P2 Electronic and Information Engineering*
- P3 Structures and Mechanics*
- P4 Energy and the Environment.*

To give you the best start in working towards these, we ask that you do some preparatory work during the remaining weeks of the vacation, before the start of your course.

- (a) Thoroughly revise your school mathematics and physics. What you covered at school provides the foundations for your engineering course here.
- (b) Attempt all the questions on the question sheets enclosed with this letter: Revision 1 (Maths), and Revision 2 Part A (Statics and Dynamics) and Part B (Electricity). Your solutions will form the basis for discussion in your first tutorials at Balliol. Do the best you can on the basis of what you know already and what you can conveniently learn from accessible text-books. Don't worry if you cannot complete everything perfectly. You will find that the answers to the questions are provided at the ends of the questions sheets, but obviously you should attempt the questions before you look at the answers. Please hand your solutions to the questions to us when we meet you on the morning of Thursday 6 October (in Freshers' Week).

Allow plenty of time for all this: you will need to start it well before the start of term. Be warned: Freshers' Week is very busy! You will have virtually no time to work on it between your arrival in Oxford and the Thursday of Freshers' Week.

At the back of the question sheets you will find some helpful notes about the following.

- (a) The Induction session for Engineering Freshers at the Department of Engineering Science on Friday 7 October.
- (b) Models of electronic calculator that you are allowed to use in Oxford University exams. You may find this useful if you are purchasing a calculator to use at Oxford, since it is advisable to get familiar with a calculator that you can also use in exams.

We look forward to seeing you first before the Freshers' Dinner on 5 October: when you get to Balliol, check the college noticeboard to find out when and where we shall meet.

Yours sincerely