

# Introducton to Pure Analysis I

## Using the Problem Sheets

MT05

- The 14 lectures entitled **Analysis I** are scheduled for Weeks 2–8 of term.
- There are 7 associated sheets; each has 5 exercises, although I have marked some as ‘optional’.
- The exercises on Sheet<sub>*n*</sub> are based on the material in the two lectures given in Week<sub>*n+1*</sub>.
- The sheets have been produced on the assumption that there will be college classes or tutorials on the material in Sheet<sub>*n*</sub> during Week<sub>*n+2*</sub> of term, for  $n = 1 \dots 6$ . Sheet<sub>7</sub> is for completion over the vacation.
- If you find that you need more practice on any of these topics, or want to try something more challenging, then you can
  - consult your tutor;
  - try the optional exercises;
  - try the exercises in *Bartle and Sherbert*;
  - try some of the supplementary problems;
  - try to do some of the questions set by Moderators in the past;
  - see what your college library has to offer.
- If you find any mistakes, errors, obscurities then please let me know, preferably by email: [brian.stewart@exeter.ox.ac.uk](mailto:brian.stewart@exeter.ox.ac.uk)