

About the course

This course will consist of 24 lectures and 10 tutorials. At the end of the course there will be a two hour exam.

The course will not follow strictly any particular book. Thus these lecture notes, which will be available in the library on short loan, will be the main reading source for the course. On the other hand the contents of the course will be fairly standard, so that the material covered can be found in essentially any group theory, or indeed abstract algebra, text-book. The following books are recommended as secondary sources:

1. R.B.J.T. Allenby, 'Rings, Fields and Groups' (Edward Arnold, London, 1983).
2. T.S. Blyth, E.F. Robertson, 'Groups' (Chapman and Hall, London, 1986).*
3. I.N. Herstein, 'Topics in Algebra' (Blaisdell, New York, 1964).
4. T.W. Hungerford, 'Algebra' (Springer Verlag, New York, 1974).*
5. W. Ledermann, 'Introduction to Group Theory' (Oliver & Boyd, Edinburgh, 1973).
6. J.J. Rotman, 'The Theory of Groups' (Allyn and Bacon, Boston, 1965).*
6. T.A. Whitelaw, 'Introduction to Abstract Algebra' (CRC Press, 3rd edition, 1995).

All these books are available in the library – the starred books on short loan, and the others on ordinary loan.

The sources for exercises are the tutorial sheets which will be handed out regularly during the course, exercises in the above books, and

T.S. Blyth, E.F. Robertson, 'Algebra Through Practice' (Cambridge University Press, Cambridge, 1985).

The solutions to the questions from the tutorial sheets will be available in the library on short loan.