General Course Information About

MA421 Advanced Algorithms

Course Materials   General course information about the course, schedule of topics discussed in lectures, schedule of course works, and course materials will be listed, linked, or available at the course Moodle page.

Lecturer   Dr Tuğkan Batu (t.batu@lse.ac.uk); Office: COL 4.04.

Times/Rooms   See the LSE timetables page.

Seminars   Seminars start in Week 2. Extra material and solutions to weekly exercise sets will be discussed in the seminars.

Office Hours   See the departmental Office Hours page.

Course Material and Literature   Summary lecture notes and additional reference materials will be distributed regularly. However, students are expected to make their own notes during the lectures.

Below is a list of books that cover various parts of the course:

- T.H. Cormen, C.E. Leiserson, R.L. Rivest, and C. Stein, *Introduction to Algorithms*, Third Edition, MIT Press (2009).

- M.R. Garey and D.S. Johnson, *Computers and Intractability: A Guide to the Theory of NP-completeness*, W.H. Freeman (1979).

- V. Vazirani, *Approximation Algorithms*, Second Edition, Springer (2002).

- R. Motwani and P. Raghavan, *Randomized Algorithms*, Cambridge University Press (1995).

Assessment   The final mark for this course will be determined by an assessed coursework in the Lent Term (25%) and a formal 150-minute examination in the Summer term (75%).