Summary List of Books Recommended by Lecturers

September 2014

This list is prepared once a year for the benefit of College Librarians and those purchasing course books. As such it aims to list the most recently available editions of current course books. However, in many cases, older editions are equally useful and this list should be used in conjunction with those in the syllabus booklets, which give more information on the suitability of titles for each course.

Key to the present list:

IA On Part IA reading lists
IB On Part IB reading lists
II On Part II reading lists

*** Most recommended
** Recommended
* Further reading

The syllabus booklets can be found via links from http://www.cl.cam.ac.uk/teaching/

The Computer Laboratory Library aims to keep at least one copy of each of the course texts in “The Booklocker” (see http://www.cl.cam.ac.uk/library/).

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Bacon, J. & Harris, T. (2003). Operating systems. Addison-Wesley (3rd ed.). [***, IA, IB]


Date, C.J. (2004). *An introduction to database systems*. Addison-Wesley (8th ed.). [***, IB]


http://docs.oracle.com/javase/specs/jls/se8/html/ [**, IB]


Harris, D.M. & Harris, S.L. (2007). *Digital design and computer architecture*. Morgan Kaufmann. [***, IA, IB]


Jurafsky, D. & Martin, J. (2008). *Speech and language processing*. Prentice Hall. [***, II]


Muchnick, S. (1997). *Advanced compiler design and implementation.* Morgan Kaufmann. [**, IB]


Paar, Ch. & Pelzl, J. (2010). *Understanding cryptography.* Springer. [***, IB]


Pierce, B.C. (2002). *Types and programming languages.* MIT Press. [***, IB, II]


Velleman, D.J. (1994). *How to prove it (a structured approach)*. Cambridge University Press. [***, IA]


*Report of the inquiry into the London Ambulance Service*
(SW Thames RHA, 40 Eastbourne Terrace, London W2 3QR, February 1993).

http://www.cs.ucl.ac.uk/staff/A.Finkelstein/las.html [*, IB]