



# Reading list 2009–10

## 103 Elements of information and communication technologies

The current edition of the subject guide is the 2003 edition. This reading list was last updated in June 2009. Any queries about this reading list should be directed to [externalstudy@lse.ac.uk](mailto:externalstudy@lse.ac.uk).

### Essential reading

#### Part 1

Bal, H. and D. Grune *Programming Language Essentials*. (Wokingham, Addison-Wesley, 1994) [ISBN 9780201631791] **OR** Ribar, L.J. *The Programming Primer: A Guide to Programming Fundamentals*. (Berkeley: Osborne McGraw-Hill, 1994) [ISBN 9780078819995].

Any students having difficulty in obtaining either of these textbooks for Part 1 may like to refer to the following instead:

Sprinkle, M. *Problem Solving and Programming Concepts*. (Upper Saddle River, New Jersey, USA: Pearson Education, Inc, 2008) eighth edition [ISBN 9780136060604].

#### Part 2

Connolly, M.T. and E.C. Begg *Database Systems: A Practical Approach to Design, Implementation and Management*. (Pearson Education, 2009) fifth edition [ISBN 9780321523068].

#### Part 3

Comer, D.E. and R.E. Droms *Computer Networks and Internets*. (New Jersey: Prentice Hall International, 2008/9) fifth edition [ISBN 9780136061274].

#### Part 4

Preece, J, Y. Rogers, H. Sharp, D. Benyon, S. Holland and T. Carey *Human-Computer Interaction*. (Wokingham, England: Addison-Wesley Publishing Company, 1994) [ISBN 9780201627695].

### Further reading

The subject guide is presented in four parts; the first three have recommended reading and/or specific further reading

#### Part 1

Ben-Ari, M. *Understanding Programming Languages*. (Chichester: Wiley & Sons, 1996) [ISBN 9780471958468].

Harbison, S. *Modula-3*. (New Jersey: Prentice-Hall, 1992) [ISBN 9780135963968].

Horn, L. *Structured Programming with Turbo Pascal*. (New Jersey: Prentice-Hall, 1995) [ISBN 9780130225443].

Myers G.J, C. Sandler, T. Badgett and T.M. Thomas *The Art of Software Testing*. (New York: Wiley & Sons, 2004) second edition [ISBN 9780471469124].

Roper, M. *Software Testing*. (London: McGraw, 1994) [ISBN 9780077074661].

Schildt, H. *Teach Yourself C++*. (Berkeley: Osborne McGraw-Hill, 1997) third edition [ISBN 9780078823923].

- Williams, S. and S. Walmsley *Discover Delphi – programming principles explained*. (Harlow: Addison-Wesley Publishing Ltd, 1999) [ISBN 9780201342864].
- Winston, P. and B. Horn *Lisp*. (Wokingham: Addison-Wesley Publishing Ltd, 1989). third edition [ISBN 9780201083194].
- Winston, P. and S. Narasimhan *On To Java: Fast travel on the natural path to java essentials and effective Programming Practices* (Wokingham: Addison-Wesley Publishing Ltd, 2001) third edition [ISBN 9780201725933].

Any students having difficulty in obtaining these textbooks for Part 1 may like to refer to the following instead:

- Deitel, H.M., P.J. Deitel and C.H. Yaeger *Simply Visual Basic .Net 2003*. (Upper Saddle River, New Jersey, USA: Pearson Education, Inc, 2003) [ISBN 9780131785885].
- Crews, T. and C. Murphey *Programming Right From the Start With Visual Basic .Net*. (Upper Saddle River, New Jersey, USA: Pearson Education, Inc, 2004) [ISBN 9780006614760], with a student CD [ISBN 9780131084797]

## Part 2

- Date, C.J. *An Introduction to Database Systems*. (Reading, Mass: Addison-Wesley, 2003) eighth edition [ISBN 9780321197849].
- Elmasri, R. and S.B. Navathe *Fundamentals of Database Systems*. (Reading, Mass: Addison-Wesley, 2006) fifth edition [ISBN 9780321369574].
- Ramakrishnan, R. and J.Gehrke *Database Management Systems*. (Singapore: McGraw Hill. 2006) third edition [ISBN 9780071230575].
- Silberschatz, A., H. Korth and S. Sudarshan *Database System Concepts*. (Singapore: McGraw Hill, 2005) fifth edition [ISBN 9780071244763].

## Part 3

- Couloris, G, J. Dollimore and T. Kindberg *Distributed Systems Concepts and Design*. (Wokingham: Addison-Wesley, 2005) fourth edition [ISBN 9780321263544].
- Orfali, R., D. Harkey and J. Edwards *The Essential Client-Server Survival Guide*. (New York: John Wiley & Sons, 1999) third edition [ISBN 9780471316152].
- Stallings, W. *Data and Computer Communications*. (New Jersey: Prentice Hall International, 2006) eighth edition [ISBN 9780132433105].

## Part 4

- Preece, J., Y. Rogers and H. Sharp *Interaction Design: Beyond Human-Computer Interaction*. (New York: John Wiley & Sons, Inc., 2007) second edition [ISBN 9780470018668].
- Dix, A., J. Finlay, G. Abowd and R. Beale *Human-Computer Interaction*. (Hemel Hempstead: Prentice Hall International (UK) Ltd, 2003) third edition [ISBN 9780130461094].
- Newman, W.M. and M.G. Lamming *Interactive System Design*. (Wokingham: Addison-Wesley Publishing Company, 1995) [ISBN 9780201631623].
- Norman, D. *The Psychology of Everyday Things*. (Cambridge, MA: MIT Press, 2002) reprint edition [ISBN 9780465067107].