

## **Preparatory Reading List for MSc Computing 2011-12**

This list is intended to provide some suggestions about books which you may find of interest. **It is NOT a required reading list.**

The Sciences Good Study Guide

A. Northedge, J. Thomas, A. Lane & A. Peasgood, The Open University, 1997  
ISBN 0-7492-3411-1

{Particularly recommended for those who are returning to study after a break}

Improve your Maths! Essential Maths for Students

Gordon Bancroft & Mike Fletcher, Addison –Wesley

{Suitable for those whose O level or GCSE Maths is now a distant memory}

Effective Writing: Improving Scientific, Technical and Business Communication

C. Turk and J. Kirkman, 1989

ISBN 0-419-14660-1

{Writing skills for those who haven't had to do any formal writing for some time}

### **The following books are recommended texts for Autumn semester modules:**

{If you have never done any programming you may find it particularly helpful to read the first few chapters of one of the following recommended Java books.}

Computing Concepts with Java Essentials, 3rd Edn., C. Horstmann, John Wiley & Sons Inc., ISBN 0-471-46900-9

Java in Two Semesters, Q. Charatan, A. Kans, McGraw-Hill, ISBN 0077122674

Big Java, C. Horstmann, John Wiley & Sons Inc, ISBN 9780470553091

Core Java vols 1 and 2, C. Horstmann, G. Cornell, Prentice Hall, ISBN 0-13-235476-4, 0-13-235479-9

Database Systems: A Practical Approach to Design, Implementation and Management. 5th Edition

T. Connolly and C. Begg, Addison Wesley, 2009

Web Programming: Building Internet Applications. 2<sup>nd</sup> Edition

C. Bates, John Wiley & Sons Ltd, 2002

The Essence of Professional Issues in Computing

R. Ayres, Prentice Hall, 1999

ISBN 0-13-908740-0

Software Engineering. 9<sup>th</sup> Edition

I. Sommerville, Pearson, 2010

Discrete Mathematics for Computing, Rod Haggarty, Pearson Addison Wesley, ISBN 0201730472

Ethics for the Information Age: Michael J. Quinn, Pearson Education; 4 edition;

ISBN-10: 0132134853

ISBN-13: 978-0132134859