

PGT - IT /MIT READING LIST 2012/13

Please find some suggested reading for the course below – please don't buy them all!

G64DBS – Database Systems

“Database Systems”, P. Beynon-Davies, Palgrave

“Fundamentals of Database Systems”, R. Elmasri & S. Navathe, Addison-Wesley

“Database Systems”, C.J. Date, Addison-Wesley

“Database Systems – A Practical Approach to Design, Implementation and Management”,
T. Connolly & C. Begg, Addison-Wesley

“The Manga Guide to Databases”, Mana Takahashi, Shoko Azuma, Trend-Pro Co. Ltd., NO STARCH PRESS

G64ICP – Introduction to Computer Programming

Visual C# 2010 in 24 hours published by Sams Teach Yourself author Scott Dorman

G64INC – Introduction to Network Communications

“Computer Networks and Internets”, Douglas E. Comer, Prentice Hall

G64ADS – Advanced Data Structures

"Purely Functional Data Structures" by Chris Okasaki (Cambridge University Press).

Cormen, Leiserson, Rivest and Stein, Introduction to Algorithms (IA)

Richard Bird, Pearls of Functional Algorithm Design (PFAD)

G64SWE – Software Engineering

“XNA Game Studio Express: Developing Games for Windows and the XBOX 360”

Joseph Hall, Thomson 2008

G64OOS – Object Oriented Systems

Analysis and Modelling:

UML Distilled (3rd Edition) [Fowler 2004]

Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development [Larman 2004]

Programming:

Sams Teach Yourself C++ in 24 Hours (5th Edition) [Liberty and Cadenhead 2011]

Object Oriented Programming with C++ (2nd Edition) [Parsons 2000]

G64NMD – New Media Design

“Multimedia : making it work” Tay Vaughan, 7th ed. McGraw-Hill, 2008.

“Hypermedia & the Web : an engineering approach” David Lowe and Wendy Hall. John Wiley, 1999.

“Tog on Interface” Tognazzini, B.. Addison Wesley , 1992.

"Getting started in multimedia design" Gary Olsen. North Light Books, 1997.

"Designing multimedia : a visual guide to multimedia and online graphic design" Lisa Lopuck. Peachpit Press, 1996.

G64MIT – Management of IT

"Business information management : improving performance using information systems"
Dave Chaffey, Steve Wood. Financial Times Prentice Hall, 2005.

"Business information systems : technology, development and management for the ebusiness"
Andrew Greasley (editor) ... [et al.], 3rd ed. Financial Times Prentice Hall, 2005.

"Dave. E-business and e-commerce management : strategy, implementation, and practice" Dave Chaffey, 3rd ed. Pearson Education, 2006.

"Management information systems : managing the digital firm" Kenneth C. Laudon, Jane P. Laudon, 10th ed. Pearson/Prentice Hall, 2007. Note: Please check for other editions held by Library

"Management information systems", 8th ed. McGraw-Hill Irwin, 2008.

"Managing and using information systems : a strategic approach" Keri E. Pearlson, Carol S. Saunders, 3rd ed. Wiley, 2006.

G54PRG – Programming

"Sams Teach Yourself Visual C# 2010 in 24 Hours: Complete Starter Kit", Scott Dorman, Sams
Visual C# 2010 in 24 hours published by Sams Teach Yourself author Scott Dorman

G54IHC – Introduction to Human Computer Interaction

"Interaction Design – Beyond Human-Computer Interaction", Yvonne Rogers, Helen Sharp, Jenny Preece, Wiley

G54ALG - Algorithmic Design

Backhouse Roland, Program Construction, John Wiley

David Gries, Science of Programming, Springer.

G54ADM - System and Network Administration

UNIX and Linux system administration handbook, Evi Nemeth, Garth Snyder, Trent R. Hein, Ben Whaley,
4th Edition, 2011, Pearson Education.

G54MET - Methods for Understanding Users in Computer Science

Rogers, Y., Sharp, H., and Preece, J. (2007) Interaction Design: Beyond Human Computer Interaction, Wiley.

Crabtree, A., Rouncefield, M. and Tolmie, P. (2012) Doing Design Ethnography, Springer

G52APR- Application Programming

Introduction to Java Programming. Y. Daniel Liang, Pearson Higher Education.

Design Patterns in Java. Steven J. Metsker and William C. Wake, Addison-Wesley.

But it should be emphasised that I do not recommend buying these in the first instance.

G64SPM - Software Project Management

An introduction to management science : quantitative approaches to decision making, David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Thomson/South-Western.

Systems analysis and design, Kenneth E. Kendall, Julie E. Kendall, Pearson/Prentice Hall.

Applied Software Project Management, Andrew Stellman, Jennifer Greene, O'Reilly.