

## TEXTBOOK LIST

### SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF ADELAIDE

#### SEMESTER 2, 2005

#### LEVEL 1 COURSES

**Course: COMP SCI 1008: Computer Science 1 A - Sem 2**

Lecturers: Dr A Wendelborn, Dr A. Brown

Email: [andrew@cs.adelaide.edu.au](mailto:andrew@cs.adelaide.edu.au), [fred@cs.adelaide.edu.au](mailto:fred@cs.adelaide.edu.au)

Text: Big Java (WIE)

Author: Cay Horstmann. Publisher: Wiley ISBN/APN: 9780471453055

Text: Computer Science – An Overview 7<sup>th</sup> Ed Int/Ed

Author: Brookshear

Publisher: Addison ISBN/APN 9780321189936

Reference: How to Program Using Java

Author: Jenkins Publisher: Palgrave ISBN/APN: 14039 1223 8

**Course: COMP SCI 1009: Computer Science 1 B**

Lecturers: Brad Alexander & Anton van den Hengel

Email: [brad@cs.adelaide.edu.au](mailto:brad@cs.adelaide.edu.au)

Text: As per 1008 Computer Science 1A

**Course: COMP SCI 1003 Internet Computing**

Lecturer: Dr. H. Detmold and Dr. C. Pope

Email: [cheryl@cs.adelaide.edu.au](mailto:cheryl@cs.adelaide.edu.au) [henry@cs.adelaide.edu.au](mailto:henry@cs.adelaide.edu.au)

Text Title: "Visual Quick start Guide for PHP for the WWW" - Larry Ullman (2nd Edition)

Reference book is: "HTML for the World Wide Web with XHTML and CSS: Visual QuickStart Guide, Fifth Edition (Paperback) by Elizabeth Castro"

#### LEVEL 2 COURSES

**Course: COMP SCI 2006 Introduction to Software Engineering**

Lecturer: Charles Lakos

Email: [charles@cs.adelaide.edu.au](mailto:charles@cs.adelaide.edu.au)

Author: Stevens, Perdita.

Text: Using UML : software engineering with objects and components / Perdita Stevens, with Rob Pooley.

Edition: Updated ed.

Published: Harlow, Eng. ; New York : Addison-Wesley, 2000.

**Course: COMP SCI 2004 Data Structures and Algorithms**

Lecturer: Dr Wendelborn, Dr Coddington, Dr Vaughan

Email: [andrew@cs.adelaide.edu.au](mailto:andrew@cs.adelaide.edu.au)

Title: Classic data structures in Java by Timothy Budd.

Published: Boston ; London : Addison Wesley, c2001.

**Course: COMP SCI 1007 Computer Science Concepts – Summer Course**

Lecturers: Heiko Maurer & David Knight

Email: [heiko@cs.adelaide.edu.au](mailto:heiko@cs.adelaide.edu.au) [davidk@cs.adelaide.edu.au](mailto:davidk@cs.adelaide.edu.au)

Text: Big Java (WIE)

Author: Cay Horstmann. Publisher: Wiley ISBN/APN: 9780471453055

**Course: COMP SCI 2000 / 7081 Computer Systems**

Lecturers: Cruz Izu, David Munro, David Knight

Email: [cruz@cs.adelaide.edu.au](mailto:cruz@cs.adelaide.edu.au)

Text: Unknown

**Course: COMP SCI 2005 Systems Programming in C and C++**

Lecturers: Kevin Macuinas, Brad Alexander, David Munro

Email: [Kevin@cs.adelaide.edu.au](mailto:Kevin@cs.adelaide.edu.au)

Text: C++ for Java Programmers:(International Edition) 1st Edition

Publisher: Prentice Hall

Author: Mark Weiss

**LEVEL 3 COURSES**

**Course: COMP SCI 3013/7089 Event Driven Computing**

Lecturer: Dr Rob Esser, Dr Anthony Dick, David Knight

Email: [esser@cs.adelaide.edu.au](mailto:esser@cs.adelaide.edu.au)

Text: None

References:

Patterns in Java (volume 1) by Grand, Wiley.

Design Patterns by Gamma et. al., Addison-Wesley.

Foundations of Computer Science by Alfred V. Aho and Jeffrey D. Ullman, W. H. Freeman/Computer Science Press, 1992

**Course: COMP SCI 3006 Software Engineering and Project**

Lecturer: Dr. Francis Vaughan

Email: [francis@cs.adelaide.edu.au](mailto:francis@cs.adelaide.edu.au)

Text: Software Engineering 7th Ed., I.Sommerville, Addison-Wesley, 2004

**Course: COMP SCI 3004/7064 Operating Systems**

Lecturer: Dr. C. Izu

Email: [cruz@cs.adelaide.edu.au](mailto:cruz@cs.adelaide.edu.au)

Text: Operating System Concepts 6th edition by Silberschatz, Galvin and Gagne, from Wiley.

**Course: COMP SCI 3001/7039 Computer Networks And Applications**

Lecturers: Cheryl Pope & Kevin Maciunas

Email: [cheryl@cs.adelaide.edu.au](mailto:cheryl@cs.adelaide.edu.au) [kevin@cs.adelaide.edu.au](mailto:kevin@cs.adelaide.edu.au)

Title: Kurose & Ross "Computer Networking: A Top Down Approach Featuring the Internet"

There is an associated website with the book and supporting material. Access comes with the textbook for one year. Registration using the key in the textbook is needed.

**Course: COMP SCI 9877 Distributed Systems**

Lecturers: Dr. Katrina Falkner, Dr. Henry Detmold

Email: [katrina@cs.adelaide.edu.au](mailto:katrina@cs.adelaide.edu.au), [henry@cs.adelaide.edu.au](mailto:henry@cs.adelaide.edu.au)

Text: None

References: Java Distributed Computing (O'Reilly Java) by Jim Farley, Mike Loukides (Editor).

**LEVEL 4 COURSES**

**Course: COMP SCI 7016 Computer Graphics**

Lecturer: Dr. Anthony Dick, Dr Anton van den Hengel

Email: [ard@cs.adelaide.edu.au](mailto:ard@cs.adelaide.edu.au)

Text: None

References:

OpenGL(R) Programming Guide: The Official Guide to Learning OpenGL, Version 1.2 (3rd Edition)by

[Mason Woo](#), [Jackie Neider](#), [Tom Davis](#), [Dave Shreiner](#), [OpenGL Architecture Review Board](#).

OpenGL(R) Reference Manual: The Official Reference Document to OpenGL, Version 1.2 (3rd Edition) by

[Dave Shreiner](#), [Opengl Architecture Review Board](#)

Interactive Computer Graphics: A top-down approach using OpenGL. By Edward Angel

**Course: COMP SCI 7009 Modern Heuristic Methods**

Lecturer: Professor Zbigniew Michalewicz

Email: [zbyszek@cs.adelaide.edu.au](mailto:zbyszek@cs.adelaide.edu.au)

Text: Z. Michalewicz & D.B. Fogel, "How to Solve It: Modern Heuristics", Springer-Verlag, Berlin, 2004 (2nd edition).

**COMP SCI 7023 Software Process Improvement**

Lecturer: Fred Brown

Text: A Discipline for Software Engineering

Author: Watts S Humphrey. Publisher: Addison Wesley, 1995 ISBN: 0-201-54610-8

**Course: COMP SCI 7004 Concurrent and Distributed Systems**

Lecturer: Dr Rob Esser, Dr Charles Lakos

Email: [esser@cs.adelaide.edu.au](mailto:esser@cs.adelaide.edu.au)

Text: None

References:

[\*The Theory and practice of Concurrency\*](#), A.W. Roscoe, Prentice Hall, 1997

[\*Communicating Sequential Processes\*](#), C.A.R. Hoare, Prentice Hall, 1985

*Systems and Software Verification – Model-checking Techniques and Tools*, B. Bérard, M. Bidoit, et. al., Springer, 2001

**Course: COMP SCI 7045 Distributed and High Performance Computing**

Lecturers: Dr Paul Coddington, Dr Francis Vaughan

Email: [paul@cs.adelaide.edu.au](mailto:paul@cs.adelaide.edu.au)

Text: None