Recommended Reading List

This document is a guide only – for more detailed and up to date information please check the Module Directory.

The reading list below is a guide only and should not be considered exhaustive. These texts are available from the Albert Sloman Library and can also be viewed online.

CE651-7-FY PROGRAMMING WITH C#

- SHARPE, J., Visual C# 2005 Step by Step, published by Microsoft 2005
- There are also many books on C# 2005, almost all of which would be suitable.

CE652-7-FY INTERACTIVE WEB APPLICATIONS

- References will be provided during lectures

CE653-7-AU HUMAN-COMPUTER INTERFACE DESIGN


CE654-7-FY OBJECT ORIENTED SOFTWARE ENGINEERING

CE701-7-AU THEORY OF SIGNALS AND SYSTEMS


CE702-7-SP TRANSMISSION SYSTEMS


CE703-7-AU NETWORKING PRINCIPLES

CE705-7-AU PROGRAMMING IN JAVA


CE707-7-AU IP NETWORKING AND APPLICATIONS


CE708-7-AU COMPUTER SECURITY

- PFLEEGER, C., and PFLEEGER, S., Security in computing, Prentice Hall 2002

CE709-7-SP CONVERGED NETWORKS AND SERVICES

CE711-7-SP ADVANCED TRANSPORT NETWORKS

- GHANI, N., Advances in Photonic Packet Switching an Overview, IEEE Communications Magazine (February 2000)

CE721-7-SP ELECTRONIC SYSTEM DESIGN & INTEGRATION


CE722-7-FY GROUP PROJECT WITH INDUSTRIAL PRACTICE

- To be confirmed

CE740-7-SP MOBILE COMMUNICATIONS

- IETF IETF Drafts www.ietf.org

CE783-7-AU COMMUNICATIONS LABORATORY

- To be advised
CE784-7-AU NETWORKS LABORATORY

- McMILLAN, K. and WEYERS, J., "How to write dissertations and project reports", Prentice Hall, 2009
- McMILLAN, K. and WEYERS, J., "How to write essays and assignments", Prentice Hall, 2009
- STEVENS, R.W., "TCP/IP Illustrated Volume 1: the protocols", Addison-Wesley, 1994

CE801-7-AU INTELLIGENT SYSTEMS AND ROBOTICS


CE802-7-AU MACHINE LEARNING AND DATA MINING

- TAN, P-N., STEINBACH, M. and KUMAR, V., Introduction to Data Mining, Addison Wesley, 2006
- HAN, J. & KAMBER, M., Data Mining: Concepts and Techniques (2nd ed), Morgan Kaufmann 2006
- WITTEN, I. H. and FRANK, E., Data Mining: Practical Machine Learning Tools and Techniques with Java Implementations (2nd ed), Morgan Kaufmann 2005
- ALPAYDIN, E., Introduction to Machine Learning (2nd Ed), MIT Press 2010

CE804-7-AU DIGITAL SIGNAL PROCESSING


CE805-7-SP CLOUD TECHNOLOGIES AND SYSTEMS

- HWANG, DONGARRA and FOX., Distributed and Cloud Computing (From Parallel Processing to the Internet of Things), (Elsevier 2011)
- JACKSON, K., OpenStack Cloud Computing Cookbook, PACKT PUBLISHING
- MOYER, C., Building Applications in the Cloud (Concepts, Patterns, and Projects), 2011
CE807-7-SP TEXT ANALYTICS

- INGERSOLL, MORTON & FARRIS, Taming Text, (Manning 2013)
- RUSSELL, Mining the Social Web, (O'Reilly)
- WITTEN & FRANK, Data Mining, (Morgan Kaufmann)

CE808-7-AU CREATION AND PRODUCTION OF MULTIMEDIA

- DIEFENBACH, D., Video Production Techniques: Theory and Practice From Concept to Screen, (Routledge, 2007)
- RABIGER, M., Directing: Film Techniques and Aesthetics, (Focal Press, 4th ed. 2007)
- GOODMAN, R., Editing Digital Video: The Complete Creative and Technical Guide (Digital Video and Audio)

CE816-7-AU HIGH PERFORMANCE COMPUTING


CE821-7-AU UNDERLYING TECHNOLOGY IN FINANCIAL SYSTEMS

- MOLINA, G., ULLMAN AND WIDOM, "Database Systems"
- PROSISE, J., Programming Microsoft .NET
- SCHMIDT, H., C, Complete Reference.
- SCHMIDT, H., C, Complete Reference.
- FREEDMAN, R., An Introduction to Financial Technology
- MCINTYRE, H., Straight Through Processing for Financial Services Firms, the Summit Group Press, June 2004.

CE823-7-SP NETWORK SECURITY

- YUAN, R. AND STRAYER, W.T., Virtual Private Networks: Technologies & Solutions, Addison-Wesley
- STALLINGS, W., Network Security Essentials: Applications and Standards, Prentice Hall
- REHMAN, R.U., Intrusion Detection with SNORT, Prentice Hall 2003
CE831-7-AU E-COMMERCE PROGRAMMING

Whilst no single book is perfect for the course, the following books will prove useful:

- ESPOSITO, D., "Programming Microsoft" ASP.NET MVC, Microsoft Press, 2010
- MACDONALD, M., "Beginning ASP.NET 4.0 in C# 2010: From Novice to Professional", Apress 2010
- Walther, S., "ASP.NET 4.0 Unleashed", Sams, 2010

CE832-7-SP ADVANCED WEB TECHNOLOGIES


CE860-7-SP ADVANCED EMBEDDED SYSTEMS DESIGN


CE865-7-AU PROGRAMMING EMBEDDED SYSTEMS


CE866-7-AU COMPUTER VISION


CE869-7-SP HIGH LEVEL LOGIC DESIGN

• HWANG, E.O., Digital Logic and Microprocessor Design with VHDL, Publisher: CL Engineering ISBN: 978-0534465933

CE881-7-SP MOBILE & SOCIAL APPLICATION PROGRAMMING


CE884-7-SP CONSTRAINT SATISFACTION FOR DECISION MAKING

• TSANG, E.P.K., Foundations of Constraint Satisfaction, Academic Press, 1993

CE885-7-AU MATHEMATICAL RESEARCH TECHNIQUES USING MATLAB

• KHARAB, A. and GUENTHER, R., Introduction to Numerical Methods: A MATLAB Approach, Chapman & Hall, 2005
• RUBINSTEIN, R.Y. and MELAMED B., Modern Simulation and Modelling, Wiley, 1997
• BRANDIMARTE, P., Numerical Methods in Finance, Wiley Series, 2002

CE886-7-AU EVOLUTIONARY COMPUTATION AND GENETIC PROGRAMMING

• LANGDON, W.B. and POLI, R., Foundations of Genetic Programming, Springer-Verlag, 2002

CE887-7-AU NATURAL LANGUAGE ENGINEERING

ALLEN, J., Natural Language Understanding, Benjamin/Cummings, 1987

CE889-7-AU ARTIFICIAL NEURAL NETWORKS


CE902-7-FY PROFESSIONAL PRACTICE AND RESEARCH METHODOLOGY

- DAWSON, C. W. Projects in Computing and Information Systems: A Student's Guide. Addison-Wesley, 2005
- POLONSKY, M. & WALLER, D. Designing and Managing a Research Project. Sage, 2005

CE903-7-SP GROUP PROJECT

- SOMMERVILLE, I., Software Engineering, Pearson Education, 2004