

Module number: CS5501

Module name: Extended Dissertation

Module leader: Dissertation Team (Simon Taylor)

Number of students expected: 120

INDICATIVE READING LIST:

1 ESSENTIAL READING [* Purchase advised]

Much reading is subject specific and will comprise of relevant journal, conference and book literature alongside Internet resource(s).

2 RECOMMENDED READING

- Coolican, H (2004) *Research Methods and Statistics in Psychology*. 4th edn.: Hodder & Stoughton.
- Hart, C. (1998) *Doing a literature Review*, Thousand Oaks: Sage.
- Huberman, A.M. and Miles, M.B. (2000) "Data management and analysis methods" in Denzin, N.K. and Lincoln, Y.S. (eds.), *Handbook of Qualitative Research*, 2nd edn. Thousand Oaks: Sage, pp. (428-444)
- Jones (1999) *Doing Internet Research* Thousand. Oaks: Sage.
- Miles, M.B. and Huberman A.M. (1994) *Qualitative data analysis: An expanded sourcebook* 2nd edn. Thousand Oaks: Sage.
- Pears, R. and Shields, G. (2005) *Cite them right: the essential guide to referencing and plagiarism*. Newcastle-upon-Tyne: Pear Tree Books.
- Robson, C (2002) *Real World Research: A resource for social scientists and practitioner-researchers* 2nd edn. Blackwell.
- Sharp, J.A. and Howard, K. (2002) *The Management of a Student Research Project*. 3rd edn. Aldershot: Gower.

Module number: CS5511

Module name: Professional Development and Research

Module leader: Kathy McGrath

Number of students expected: 190

CORE READING LIST

Where applicable, students will be directed to journal papers and extracts considered as essential/background reading for the course.

- Bryman, A. (2008). *Social Research Methods*, Oxford University Press, Oxford
- Oates, B. (2006). *Researching Information Systems and Computing*, Sage Publications, London.

SUPPLEMENTARY READING

- Coolican, H. (2004). *Research Methods and Statistics in Psychology* (4th Edition), Hodder and Stoughton.
- Cottrell, S. (2005). *Critical Thinking Skills: Developing Effective Analysis and Argument*, Palgrave Macmillan, New York.
- Grix, J. (2004). *The Foundations of Research*, Palgrave Macmillan, New York.
- Silverman, D. (2006) *Interpreting Qualitative Data* (3rd Edition), Sage Publications.

Module number: CS5565

Module name: Service Oriented Architecture

Module leader: Rob Hierons

Number of students expected: 100

INDICATIVE READING LIST:

1. ESSENTIAL READING [* Purchased advised]

- Erl, T. (2005) *Service-Oriented Architecture Concepts Technology and Design*, Prentice Hall. ISBN 0131858580.

2. FURTHER READING

- Erl, T. (2004) *Service-oriented Architecture A Field Guide to Integrating XML and Web Services* Prentice Hall. ISBN 0131428985
- Hurwitz, J. (2006) *Service Oriented Architecture for Dummies For Dummies*. Hungry Minds Inc. US. ISBN 0470054352.

Module number: CS5513

Module name: Semantic Integration Frameworks

Module leader: Sergio de Cesare

Number of students expected: 70

ESSENTIAL READING

- Antoniou, G. (2008) *A Semantic Web Primer*. 2nd ed. MIT Press. ISBN: 9780262012423
- Allemang, D., Hendler, J. (2008) *Semantic Web for the Working Ontologist: Effective Modeling in RDFS and OWL*, Morgan Kaufman ISBN-13: 978-0-12-373556-0

Essential readings will be available in the form of an electronic study pack on U-Link. The study pack will contain:

Relevant papers drawn from the research and practical literature.

Links to downloadable web documents presenting up to date information on current standards and practices of system integration frameworks.

These readings will be essential (a) to participate in the workshops, (b) to undertake the coursework and (c) to develop the level of understanding required to achieve the learning outcomes for this module. The readings should be considered as an essential resource for all students.

Module number: CS5518

Module name: Business integration

Module leader: Natasha Papazafeiropoulou

Number of students expected: 120

INDICATIVE READING LIST:

1. ESSENTIAL READING * Purchased advised

- Cunha, M.M., Cortes, B.C., Putnik, G.D. (2007) Ed. "Adaptive technologies and business integration : social, managerial, and organizational dimensions", Hershey, Pa. ; London

2. RECOMMENDED READING

- Kalakota R. Robinson M. (2001) *E-Business 2.0: Roadmap for Success* New Jersey Harlow: Addison-Wesley
- Jelassi T. (2005) *Strategies for e-business. Creating value through electronic and mobile commerce concepts and cases*. Financial Times/Prentice Hall.
- Jutras C. (2003) *ERP optimization. Using your existing system to support profitable e-business initiatives*. St. Lucie Press.
- Diwedi.Y.K, Papazafeiropoulou, A., Choudrie, J. (2008) *Handbook of research on global diffusion of broadband data transmission*, Information Science reference. Hersey PA.
- Reference Book – also available electronically from Brunel Library.
- Diwedi, Y.K. (2008) *Consumer adoption and usage of broadband*. IRM Press, Hersay, PA

Module number: CS5520

Module name: Software Design and Architecture

Module leader: Steve Counsell

Number of students expected: 20

1 ESSENTIAL READING [* Purchased advised]

- Fowler, M. (2003) *Patterns of Enterprise Application Architecture*. Addison Wesley, ISBN: 0321127420 *

Module number: CS5521

Module name: Enterprise Software Implementation and Testing

Module leader: Simon Kent

Number of students expected: 20

2 RECOMMENDED READING

- Fowler, Martin (2002) *Patterns of Enterprise Application Architecture*, Addison Wesley
- Gamma, Erich et. al. *1995 Design Patterns*. Addison Wesley, Reading, MA, USA
- Alur, Deepak, Crupi, John, Malks, Dan (2003) *Core J2EE Patterns: Best Practices and Design Strategies*. : Prentice Hall
- Cederqvist, Peter (2002) *Version Management with CVS Network Theory Ltd*.

- Beck, Kent 2005 *Extreme programming explained: embrace change*, 2nd ed., Addison Wesley, Reading, MA, USA.
- Beck, Kent (2002) *Test Driven Development*, Addison Wesley
- Fowler, Martin 2000 *Refactoring improving the design of existing code*. Addison Wesley, Reading, MA, USA.

Module number: CS5549

Module name: Business Modelling

Module leader: Sergio de Cesare

Number of students expected: 190

1. ESSENTIAL READING [* Purchase advised]

A reading list (composed of academic/industrial papers and technical specification documents) will be made available on the u-Link module base. These publications will focus on business modelling and the role of business models in information systems development, evolution and integration.

- Bridgeland, D.M. Zahavi, R. (2009) *Practical Guide to Realizing Business Value*, Morgan Kaufman
- Satzinger, J. W. Jackson. R. B. and Burd, S. D. (2005) *Object-Oriented Analysis and Design with the Unified Process*, Thomson, Boston, Massachusetts.
- Morgan, T. (2002) *Business Rules and Information Systems: Aligning IT with Business Goals*, Addison Wesley

Module number: CS5550

Module name: Data Management and Business Intelligence

Module leader: Mark Lycett

Number of students expected: 165

1. ESSENTIAL READING:

The core reading for the module is provided in the form of a virtual study pack posted on the U-link pages for this module. The articles in the pack can be sourced from the online journal collection found at the Library Web pages.

2. RECOMMENDED READING:

Supplementary reading will be provided in the form of a virtual study pack, the articles in which can be sourced from the online journal collection found at the Library Web pages. Additional books that you may find useful include:

- Connolly, T. and Begg, C. (2005) *Database Systems: A Practical Approach to Design, Implementation, and Management*. 4th Edn. : Addison Wesley, Harlow, Essex.
- McDonald, K. Wilmsmeier, A. Dixon, D. C. and Inmon, W. H. (2006) *Mastering the SAP Business Information Warehouse: Leveraging the Business Intelligence Capabilities of SAP NetWeaver*, 2nd ed. Wiley, New York.
- Marchand, D.A., Davenport, T.H. & Dickson, T. (2000) *Mastering Information Management*, Prentice Hall, London.
- Hawson, C. (2008). McGraw-Hill, London. *Successful Business Intelligence Secrets to Making BI a Killer App*

- Turban et al. (2006), Decision Support and Business Intelligence Systems, Pearson

Module number: CS5552

Module name: ERP Systems Theory and Practice

Module leader: Natasha Papazafeiropoulou

Number of students expected: 90

1 ESSENTIAL READING

Study Pack

2 RECOMMENDED READING

- MONK E and WAGNER B (2008) *Concepts in Enterprise Resource Planning*. 3rd ed. Thompson Course Technology, Boston, Massachusetts. ISBN- 9781423901792
- HARWOOD. S. (2003) *ERP. The implementation cycle*. Butterworth-Heinemann. ISBN- 0750652071

Module number: CS5553

Module name: ERP Systems Deployment and Configuration

Module leader: Alan Serrano

Number of students expected: 105

1. ESSENTIAL READING [* Purchased advised]

- MAGAL, R, M and WORD J (2009) *Essentials of Business Processes and Information Systems*, Wiley. ISBN 978-0-470-23059-6

2. RECOMMENDED READING

- MONK E and WAGNER B (2006) *Concepts in Enterprise Resource Planning*. Thompson Course Technology, Boston, Massachusetts. ISBN- 0-619-21663-8

Module number: CS5561

Module name: Web Communication and Design

Module leader: George Ghinea

Number of students expected: 25

1. ESSENTIAL READING [* Purchased advised]

Workshop pack comprising recent articles from relevant publications, e.g. *IEEE Multimedia*

2. RECOMMENDED READING

- Peltzer, D. (2004) *XML: Language Mechanics and Applications*. Addison :Wesley. ISBN : 0-201-77168-3.
- Vossen, G. and Hagemann, S. (2007) *Unleashing Web 2.0: From Concepts to Creativity*. : Morgan-Kaufmann ISBN:0123740347
- Jones, B.L. (2008) *Web 2.0 Heroes: Interviews with 20 Web 2.0 Influencers*. : Wiley ISBN: 0470241993.

Module number: CS5515

Module name: Systems in Context

Module leader: Guy Fitzgerald

Number of students expected: 95

2. RECOMMENDED READING

Beynon-Davies, P. (2002) *Information Systems: An Introduction to Informatics in Organisations*, Palgrave, Basingstoke

3. SUPPLEMENTARY READING

- Kizza, J.M. (2010) *Ethical and Social Issues in the Information Age*, Springer-Verlag, London
- Land, F., Avgerou, C. and Ciborra, C. Eds. (2004) *The Social Study of Information and Communication Technology: Innovation, Actors, and Contexts*, OUP, Oxford
- Walsham, G. (2001) *Making a World of Difference: IT in a Global Context*, John Wiley & Sons, Chichester
- Grint, K. and Woolgar, S. (1997) *The Machine at Work: Technology, Work and Organization*, Polity Press, Blackwell Publishing, Oxford