

Title	BMAN60091 Application and Evaluation of IS
Credit Rating	15
Level	MSc
Semester	1
Course Coordinator(s)	Professor Mike Newman
Methods of Delivery	Lectures
Lecture Hours	20
Seminar Hours	10
Private Study Hours	120
Total Study Hours	150
Assessment Methods and Relative Weightings	Coursework – 50% Exam – 50%
Aims	
To develop an understanding of the problems of measurement, valuation and evaluation of Information Systems within a variety of organisational settings.	
Learning Outcomes	
<ul style="list-style-type: none"> • Understand the major problems of evaluation and measurement associated with IS development within a variety of organisational contexts • Have detailed knowledge of several case studies concerning the application and evaluation of IS • Have a critical understanding of the role of IS in organisational change • Have a critical understanding of how and why information systems fail and of approaches to counter these problems • Have a familiarity with the major issues concerning IS development • An awareness and use of sources of a variety of IS research. 	
Syllabus	
<p>Part 1 Applications and Implementation of Information Systems</p> <p>Week 1: Introduction to course unit. Applications of I.S. in organisations</p> <p>Week 2: Process Models of Change</p> <p>Week 3: International aspects of I.S Applications</p> <p>Week 4: Electronic commerce/ business</p> <p>Week 5: Systems Failure: Resistance to Change and other factors. Understanding IS failure: A process approach</p> <p>Week 6: READING WEEK – no classes this week</p> <p>Week 7: Developing Successful Systems</p> <p>Part 2 Evaluation of Information Systems</p> <p>Week 8: Frameworks for understanding systems building in organizations. The valuing of technology via ongoing construction of needs, uses and utilities, Techno-organisational change.</p> <p>Week 9: The specificity and complexity of Information Technology: What makes IS a unique technology? – enrolling differentiated users</p> <p>Week 10: Project Management in the organizational context: What defines an IS project; Measurement targets and tools?</p> <p>Week 11: Course review</p>	

Reading List

Preliminary Reading List (Applications and Development of Information Systems):

- Drummond, Helga (1996), "The Politics of Risk: Trials and Tribulations of the Taurus Project", **Journal of Information Technology**, Vol.11, No. 4, December pp. 347-358.
- Eglizeau, C., Frey, O. and Newman, M. (1996), "Socrate: An Implementation Debacle". **Proceedings of the 4th European Conference on Information Systems**, Lisbon, Portugal, July 2-4th, pp. 1233-1244, Ed. J. Dias Coelho et al.
- Flowers S (1996) *Software Failure, Management Failure: Amazing Stories and Cautionary Tales* John Wiley & Sons Inc., Chichester.
- Hirschheim, R., and Newman, M. (2002), "Information Systems Development as Symbolism: Myth, Metaphor, and Magic", in **Qualitative Research in Information Systems**, Michael Myers and David Avison (Eds), London: Sage, pp. 241-274.
- K.C. Laudon and J.P. Laudon (2012), *Management Information Systems: Managing the Digital Firm* (12th Edition) , Prentice-Hall.
- Lyytinen, K. and Newman, M. (2008), "Explaining information systems change: a punctuated socio-technical change model", **European Journal of Information Systems** 17 (6): 589-613.
- McLaughlin, Rosen, Skinner, Webster (1999) *Valuing Technology: Organisations, Culture and Change*, London: Routledge.
- Newman, M., Pan, S., Pan, G (2008) "Why can't we bet on ISD Outcomes?: ISD "Form" as a Predictor of Success", **Proceedings of ISD conference, Paphos, Cyprus, August 25-27**. Newman M. & Robey D. (1992) "A Social Process Model of User-Analyst Relationships", *MISQ*, June.
- Newman, M. and Sabherwal, R. (1996), "Determinants of Commitment to Information System Development: A Longitudinal Investigation". **MIS Quarterly**, pp 23-54.
- Newman, M. and Zhao, Y. (2008) "The Process of ERP Implementation and BPR: A Tale from two Chinese SMEs". **Information Systems Journal**, 18 (4): 405-426.
- Newman, M. and Zhu, S. (2009) "Punctuated Process Modelling of Information Systems: An Illustration from a Mid-sized Enterprise" **Communications of the AIS**. Volume 24, Article 39.
- Nicholson, B. and Sahay, S. (2004), "Embedded knowledge and offshore software development", **Information and Organization** 14 (2004) 329-365
- Orlikowski, W.J. (1992) 'The duality of technology: rethinking the concept of technology in organisations', **Organization Science** 3, 3: 398-427
- Orlikowski, W.J., (1993) 'Learning from Notes: Organizational Issues in Groupware Implementation' **The Information Society**, Vol. 9, pp 237-250 (provided).
- Orlikowski, W.J., (1996) 'Evolving with Notes: Organizational Change around Groupware Technology', in *Groupware and Teamwork*, C.U. Ciborra (ed.), Wiley Series in IS (provided).
- Robey, D., and Newman, M. (1996), "Sequential Patterns in Information Systems Development: An Application of a Social Process Model". **ACM Transactions of Information Systems**.
- Sabherwal, Rajiv and Newman, Michael (2003) "Persistence and Change in System Development: A Dialectical View", **Journal of Information Technology**, Vol. 18, No. 2, June pp. 69-92.
- Sauer C (1993) *Why Information Systems Fail: A Case Study Approach* Alfred Waller Ltd, Henley-on-Thames.
- Wastell D. & Newman M. (1996) "Information Systems Development in the Ambulance Service: A Tale of Two Cities", **Accounting, Management and Information Technologies**, Vol..6, No.4, pp. 283-300.
- Woolgar, S. (1991) 'Configuring the user: the case of usability trials', in John Law (ed.), *A Sociology of Monsters*, London: Routledge