Liverpool John Moores University

Title:	BUSINESS SYSTEMS ANALYSIS
Status:	Definitive
Code:	**6000COMP** (102883)
Version Start Date:	01-08-2011
Owning School/Faculty:	Computing and Mathematical Sciences
Teaching School/Faculty:	Computing and Mathematical Sciences

Team	Leader
Andrew Laws	Y

Academic Level:	FHEQ6	**Credit Value:**	12.00	**Total Delivered Hours:**	36.00
Total Learning Hours:	120	**Private Study:**	84		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	24.000
Tutorial	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	The cybernetic analysis of an organisation and the subsequent design of a solution to identified problems.	100.0	

Aims

The integration and extension of previous learning and experience in systems development.
Competence in the analysis of complex or large-scale business and IT systems.
A wide repertoire of analysis techniques.
A development of the theory underlying systems analysis issues.

Learning Outcomes

After completing the module the student should be able to:

1 Apply a wide range of methodologies and specialist techniques to practical systems analysis problems.
2 Critically evaluate alternative methodologies and techniques according to the situation.
3 Discuss theoretical and practical issues concerning business systems e.g. Re-engineering v conventional IT development.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Cybernetic analysis	1	2	3

Outline Syllabus

Introduction to current systems research.
Functional and interpretive approaches to practical systems analysis problems
Wider aspects of business systems, system dynamics, cybernetics and managerial cybernetics
Current, comparative and integrative systems development methodologies.
Quality approaches to business improvement (e.g. TQM vs. BPR)
Case studies of business and IT systems.

Learning Activities

Lectures and tutorials.

References

Course Material	Book
Author	Jackson, M.C.
Publishing Year	2000
Title	Systems Approaches to Management
Subtitle	
Edition	
Publisher	Kluwer Academic/Plenum Publishers
ISBN	0306465000

Course Material	Book
Author	Beer, S.
Publishing Year	1995

Title	Diagnosing the system for organisations.
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0471951366

Course Material	Book
Author	Yolles, M.
Publishing Year	1999
Title	Management Systems: A Viable Systems Approach
Subtitle	
Edition	
Publisher	Financial Times- Prentice Hall
ISBN	0273620185

Course Material	Book
Author	Espejo, R.
Publishing Year	1996
Title	Organizational Transformation and Learning: A Cybernetic Approach to Management.
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0471961825

Course Material	Book
Author	Flood, R.L., Jackson, M.C.
Publishing Year	1991
Title	Creative Problem Solving – Total Systems Intervention
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0471930520

Course Material	Book
Author	Checkland P.B.
Publishing Year	1999
Title	Systems Thinking, Systems Practice
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0471986062

Course Material	Book
Author	Wilson, B
Publishing Year	1990
Title	Systems Concepts: Methodologies and Applications

Subtitle	
Edition	2nd Edition
Publisher	John Wiley & Sons
ISBN	0471927163

Course Material	Book
Author	Checkland P.B., Poulter, J.
Publishing Year	2006
Title	Learning for Action
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0470025549

Course Material	Book
Author	Stacey, R.D.
Publishing Year	2002
Title	Strategic Management & Organisational Dynamics
Subtitle	
Edition	4th Edition
Publisher	2nd Pitman
ISBN	0273658980

Notes

This module provides a practical, and topical study of the more advanced aspects of systems analysis in business and IT. It develops a range of specialist analysis techniques and examines the theoretical issues. Within limits students may choose to do practical work in a topic of their own choosing.