

Liverpool John Moores University

Title: BUSINESS SYSTEM METHODOLOGIES
Status: Definitive
Code: **6009SUMCOM** (103013)
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: 38.00
Total Learning Hours: 120
Private Study: 82

Delivery Options

Course typically offered: Summer

Component	Contact Hours
Lecture	24.000
Tutorial	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	100.0	2.00

Aims

To analyse and evaluate approaches to the analysis, design, maintenance and evolution of software systems.

To analyse and critically evaluate the appropriateness, efficiency and effectiveness of various systems design and maintenance methods.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically appraise some of the problems and issues surrounding the systems life cycle.
- 2 Critically evaluate, compare, and contrast systems design and maintenance methods and their implementation.
- 3 Critically evaluate the wider issues of requirements analysis.

Learning Outcomes of Assessments

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

Exam	1	2	3
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Outline Syllabus

Students will be encouraged to think at an analytic level across the whole systems lifecycle.

Hard and Soft Systems Analysis. Tools and techniques. Alternative lifecycle methodologies.

Critical evaluation of lifecycle models and their relevance to development and maintenance projects.

Learning Activities

Students will participate in interactive lectures/seminars. They will work in teams on solving problems.

References

Course Material	Book
Author	Brooks,F.P.
Publishing Year	1995
Title	The mythical man-month:essays on software engineering
Subtitle	
Edition	2nd Edition
Publisher	Anniv Addison-Wesley
ISBN	0201835959

Course Material	Book
Author	Avison,D.E. Fitzgerald,G.
Publishing Year	2003
Title	Information systems development: methodologies,techniques and tools
Subtitle	

Edition	
Publisher	McGraw- Hill
ISBN	007096266

Course Material	Book
Author	Pressman, R.
Publishing Year	2001
Title	Software Engineering: A practitioner's approach
Subtitle	
Edition	
Publisher	McGraw Hill
ISBN	0071181822

Course Material	Book
Author	Checkland, P.
Publishing Year	1999
Title	Systems thinking, systems practice
Subtitle	
Edition	
Publisher	John Wiley & Sons
ISBN	0471986062

Notes

The purpose of this module is to examine different lifecycle models for business information system development and apply analytical thinking to them.