Liverpool John Moores University

Title:	BUSINESS SYSTEMS ANALYSIS
Status:	Definitive
Code:	**6109COMP** (121269)
Version Start Date:	01-08-2021
Owning School/Faculty:	Computer Science and Mathematics
Teaching School/Faculty:	Computer Science and Mathematics

Team	Leader
Janet Lunn	Y
Andrew Laws	

Academic Level:	FHEQ6	**Credit Value:**	20	**Total Delivered Hours:**	57
Total Learning Hours:	200	**Private Study:**	143		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	22
Practical	33

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Cybernetic Analysis	50	
Exam	AS2	Examination	50	2

Aims

To integrate and extend previous learning and experience in systems investigation and development.
To develop competence in the investigation and design of complex or large scale business and IT systems.
To develop a broad repertoire of investigation techniques.

Learning Outcomes

After completing the module the student should be able to:

1	Apply a range of methodologies and specialist techniques to practical systems problems.
2	Appraise and apply modern business management analysis and design techniques.
3	Critically evaluate the appropriateness of alternative methodologies techniques according to the situation.

Learning Outcomes of Assessments

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

Cybernetic Analysis	1	2
Examination	2	3

Outline Syllabus

General Systems Theory and Systems Science
Systems Dynamics
Managerial Cybernetics and the Viable System Model
Systems Thinking
Business Process Re-Engineering to Business Process Management
Business Analytics
System and Software Evolution

Learning Activities

Formal lectures introduce key concepts and practical sessions provide the opportunity to explore and assimilate those concepts.

Notes

This module seeks to provide students with a toolkit of practical systems analysis and design techniques and approaches that can be selectively drawn upon depending on circumstances. The presentation of the various methods is couched in philosophical approaches that underpin those methods. This allows students not only to use such techniques but also to understand why the technique is appropriate in a given circumstance.