

Liverpool John Moores University

Title: STRUCTURED SYSTEMS ANALYSIS AND DESIGN
Status: Definitive
Code: **5048BUSIS** (108224)
Version Start Date: 01-08-2011

Owning School/Faculty: Liverpool Business School
Teaching School/Faculty: Liverpool Business School

Team	Leader
Alistair Beere	Y

Academic Level: FHEQ5
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	12.000
Tutorial	12.000
Workshop	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Coursework - the students will undertake the analysis of the requirements of an information system based on a case study. They will be required to produce an feasibility study in respect to their findings and present these via a formal presentation.	100.0	

Aims

To provide an introduction to the component parts of information systems for use within business.

Understand how managers can exploit the business opportunities from the exploitation of software applications.
Develop group work and presentation skills.
Provide an introduction into the areas of systems analysis and design.
The use and application of tools to identify the system requirements of a business.
Develop a proposed solution to these problems.
Develop further the students modeling skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the nature and purpose of information needs for different organizations and users.
- 2 Explain the use of methodologies to support the development process of IS for business.
- 3 Undertake the analysis of a problematic business situation using appropriate tools and techniques.
- 4 Formulate both business and IS solutions using the appropriate techniques.
- 5 Develop a solution to the IS problem set and present it in a professional manner.
- 6 Create user and systems documentation.
- 7 Identify the complexity in understanding and configuring user requirements.

Learning Outcomes of Assessments

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

CW	1	2	3	4	5	6	7
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Outline Syllabus

Systems Methodologies

The Feasibility Study

System Analysis – questionnaires/interview/sampling techniques

Data Flow Diagrams

Determining System Requirements – Process Modelling/Structured English

Interface Design

Design Strategy – include things as off-the-shelf v bespoke

Systems Implementation and Operation

Tendering

Learning Activities

The module will be delivered via a series of lectures, tutorials and workshops.

References

Course Material	Book
Author	Valacich, Joseph S et al
Publishing Year	2006
Title	Essentials of Systems Analysis and Design
Subtitle	
Edition	3rd edition
Publisher	Pearson Prentice Hall
ISBN	

Course Material	Book
Author	Curtis, C et al
Publishing Year	2002
Title	Business Information Systems
Subtitle	Analysis, Design and Practice
Edition	
Publisher	Financial Times Prentice Hall
ISBN	

Course Material	Book
Author	Ritchie, B et al
Publishing Year	1998
Title	Information Systems in Business
Subtitle	
Edition	
Publisher	Thompson Business Press
ISBN	

Course Material	Book
Author	Lauden, K and Laudon J
Publishing Year	2002
Title	Management Information Systems
Subtitle	
Edition	7th edition
Publisher	Pearson Education Ltd
ISBN	

Notes

This is a key module for students wishing to undertake a career in the area of System Analysis and Design.