

Summary Information

Module Code	3209FNDCMP
Formal Module Title	Information Systems Development
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 3
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	-To analyse a given industry oriented case-study. -To develop a computer based plan /design for a solution to a problem scenario.-To introduce students to the importance of structured analysis and design in order to produce effective and efficient diagrams which aid in the production and implementation of computer-based information systems.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Describe the importance of information systems and their viability in organisations
MLO2	2	Explain fact-finding techniques used for analysing the requirements when developing information systems
MLO3	3	Transform information into meaningful diagrams for a database implementation
MLO4	4	Design and develop a database using suitable diagrams
MLO5	5	Demonstrate how a database can be tested and used to extract meaningful information

Module Content

Outline Syllabus	-Identify what information is and consider fact finding techniques-Define the stages within the feasibility study-Identify and develop functional and data modelling techniques in order to produce Data Flow Diagrams and Entity Relationship Diagrams-Design and develop a database using the diagrams created from a relevant case study ensuring that correct data types, relevant formats and validation masks have been included and their importance to minimize data entry error-Consider the importance of screen design and navigation paths-Identify the need for security and maintenance when using databases-Evaluate the possible changeover methods available to organisations
Module Overview	This module enables you to identify the importance of information and how information can be transformed into developing logical designs in order to develop a working database. This database will manipulate data to produce meaningful information for the end user. You will participate in student-focused learning activities based on a combination of formal lectures and practical, experiential learning in laboratories, with supporting tutorials and seminars designed to reinforce and increase your learning experience.
Additional Information	This module enables the student to identify the importance of information and how information can be transformed into developing logical designs in order to develop a working database which will manipulate data to produce meaningful information for the end user.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	40	0	MLO3, MLO1, MLO2
Essay	System demonstration	60	0	MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Hulya Francis	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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