Liverpool John Moores University

Title:	SOFTWARE DEVELOPMENT PROJECT
Status:	Definitive
Code:	**6001PROJ** (103140)
Version Start Date:	01-08-2019

Owning School/Faculty:	Computer Science
Teaching School/Faculty:	Computer Science

Team	Leader
Christopher Wren	Y
Robert Askwith	

Academic Level:	FHEQ6	**Credit Value:**	36	**Total Delivered Hours:**	18
Total Learning Hours:	360	**Private Study:**	342		

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	6
Seminar	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	ASS1	Presentation	10	
Report	ASS2	Report	90	

Aims

To enable the student to use rigorous development methods to produce software to solve a realistic problem and to evaluate the process
To present results both orally and as a written report.

Learning Outcomes

After completing the module the student should be able to:

1. Identify the requirements of a software development problem and document its specification.
2. Define a plan of the stages needed to develop the project.
3. Employ the project stages of analysis, design, implementation, testing and evaluation.
4. Critically evaluate progress on the problem.
5. Critically review the solution and results of the project.

Learning Outcomes of Assessments

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

Presentation   4

Project report   1   2   3   5

Outline Syllabus

Each project is different but would be expected to include:

Identification of a problem within computing.
Background research on chosen topic.
Discussion of idea with a member of staff leading to the basis for the project specification.
Development of a project specification.
Project should follow an identified life cycle.
Once the specification has been approved then the student works on the project with guidance from their supervisor.
Research into potential solutions, design, implementation of solution and testing.
Project Presentation to show project progress.
Write up of project to form final project report.

Learning Activities

Research methods, project planning and project management methods are introduced in lectures during induction. Students have an allocated supervisor who advises them throughout the year.

Notes

This individual project enables the student to analyse a problem requiring a software product and use rigorous software development methods to design, implement and test a solution, and to evaluate the result.