

## Liverpool John Moores University

Title: SOFTWARE DEVELOPMENT PROJECT  
Status: Definitive  
Code: **6000HCOM** (118827)  
Version Start Date: 01-08-2011

Owning School/Faculty: Computing and Mathematical Sciences  
Teaching School/Faculty: HELP College

Team	Leader
Thomas Berry	Y

**Academic Level:** FHEQ6  
**Credit Value:** 36.00  
**Total Delivered Hours:** 16.00  
**Total Learning Hours:** 360  
**Private Study:** 344

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	4.000
Seminar	12.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	ASS2	Report	90.0	
Presentation	ASS1	Presentation	10.0	

### 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:

Project report	1	2	3	5
Presentation	4			

## 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.

## References

<b>Course Material</b>	Book
<b>Author</b>	Greetham, B.
<b>Publishing Year</b>	2009
<b>Title</b>	How to Write your Undergraduate Dissertation
<b>Subtitle</b>	

<b>Edition</b>	
<b>Publisher</b>	Palgrave Macmillan
<b>ISBN</b>	978-0230218758

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## 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.