Anglia Ruskin University

Module Definition Form (MDF)

Module code: MOD005434	**Version:** 1 **Date Amended:** 04/May/2016

1. Module Title
Group Design Project

2a. Module Leader
Jane Cooper

2b. Department
Department of Computing and Technology

2c. Faculty
Faculty of Science and Technology

3a. Level
5

3b. Module Type
Standard (fine graded)

4a. Credits
30

4b. Study Hours
300

5. Restrictions			
Type	**Module Code**	**Module Name**	**Condition**
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

This module exposes students to real-world working by operating in teams of 3 or 4 and delivering a functional project that satisfies the requirements of a client, preferably an external professional. It draws on learning from the Level 4 Systems Design module.

Students will manage their work as projects using appropriate techniques such as Agile or RAD.

They will conduct user requirements analysis and develop designs collaboratively getting feedback from the client and may have to respond to changes in requirements.

The lectures will consist of both tutor and student led discussions, group activities as well as individual study and further research.

Assessment:

Solutions will be developed and implemented using modular collaborative working and fully tested.

Students will be required to produce appropriate system documentation as well as present their solutions to the client and finally review and evaluate their work and that of their peers.

6b. Outline Content

Review Systems Design techniques

Research and apply project management techniques

Undertake user requirements analysis

Consider costs and feasibility of solutions

Apply design techniques (e.g. UML or DFD)

Design review to choose most promising design

Develop and implement a solution

Test before demonstrating to client

Prepare formal report documentation to support development.

6c. Key Texts/Literature

The reading list to support this module is available at: http://readinglists.anglia.ac.uk/modules/mod005434

6d. Specialist Learning Resources

As required

7. Learning Outcomes (threshold standards)		
No.	**Type**	**On successful completion of this module the student will be expected to be able to:**
1	Knowledge and Understanding	Understand the need for client and team interaction to ensure client requirements are met.
2	Knowledge and Understanding	Appraise and apply design techniques to develop functional solutions.
3	Intellectual, practical, affective and transferrable skills	Work effectively as part of a team to design, develop and deliver a solution to a real world problem.
4	Intellectual, practical, affective and transferrable skills	Review and evaluate progress of the project and take appropriate decisions.

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2017/8	F01UCP	Semester 2	University Centre, Peterborough	Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	**Hours**	**Learning Outcomes**	**Details of Duration, frequency and other comments**
Lectures	36	1,2,3,4	Lecture 3 hr x 12 weeks
Other teacher managed learning	36	1,2,3,4	Group Discussions and Case Study activities 3hr x 12 weeks
Student managed learning	228	1,2,3,4	reading, research, skills practice, assignment
TOTAL:	300		

9. Assessment for the above Module Occurrence					
Assessment No.	**Assessment Method**	**Learning Outcomes**	**Weighting (%)**	**Fine Grade or Pass/Fail**	**Qualifying Mark (%)**
010	Practical	2,3,4	40 (%)	Fine Grade	30 (%)
Group - demonstrate working solution (2,000 words equivalent)					
Assessment No.	**Assessment Method**	**Learning Outcomes**	**Weighting (%)**	**Fine Grade or Pass/Fail**	**Qualifying Mark (%)**
011	Coursework	1,2,3,4	60 (%)	Fine Grade	30 (%)
Individual - Systems Development Report including record of progress in a log (3,000 words)					

In order to pass this module, students are required to achieve an overall mark of 40%.
In addition, students are required to:
(a) achieve the qualifying mark for each element of fine graded assessment of as specified above
(b) pass any pass/fail elements