Anglia Ruskin University

Module Definition Form (MDF)

Module code: MOD005456	**Version:** 1 **Date Amended:** 04/May/2016

1. Module Title
Undergraduate Major Project

2a. Module Leader
Hugh Chadwick

2b. Department
Department of Computing and Technology

2c. Faculty
Faculty of Science and Technology

3a. Level
6

3b. Module Type
Project or dissertation (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 allows students to engage in a substantial piece of individual research and product development work, focused on a topic relevant to computing. The topic may be drawn from a variety of sources including:

Anglia Ruskin research groups,

previous / current work experience,

the company in which they are currently employed,

an Anglia Ruskin lecturer suggested topic

or a professional subject of their specific interest (if suitable supervision is available).

The project topic will be assessed for suitability to ensure sufficient academic challenge and satisfactory supervision by an academic member of staff. The chosen topic will require the student to identify / formulate problems and issues, conduct literature reviews, evaluate information, investigate and adopt suitable development methodologies, determine solutions, develop hardware, software and/or media artefacts as appropriate, process data, critically appraise and present their findings using a variety of media.

Regular meetings with the project supervisor should take place, so that the project is closely monitored and steered in the right direction. The project developed in this module is the most substantial piece of work that the student is producing during their undergraduate studies. Thus, the choice of project topic and the quality of the work is likely to bear a great influence on the student's career / employability. Therefore, the module will also include aspects of Personal Development Plan and CV preparation. The students are strongly advised to allocate appropriate attention, time and effort to this module. The successful completion of the module will increase students' employability, as they will acquire skills directly applicable to real world projects as well as an artefact to show at job interviews.

The assessment will normally include a formative Interim Report partway through the first semester, a Poster and a substantial Final Report.

This module is exempt from the full ethical approval process in accordance with section 6 of the Academic Regulations (www.anglia.ac.uk/academicregs).

6b. Outline Content

Identify / formulate area of investigation and specific issues / problems to be addressed, generating the overall aim (scope) and specific objectives of the project.

Outline and monitor the final stage of Personal Development Plan: CV writing up and career plan.

Conduct literature reviews and evaluate information.

Investigate and adopt suitable development methodologies and acquire project management skills.

Determine solutions, develop hardware, software and/or media artefacts as appropriate.

Process data, critically appraise and present their finding using a variety of media.

Write a substantial report / dissertation and present the work in an appropriate format.

6c. Key Texts/Literature
The reading list to support this module is available at: http://readinglists.anglia.ac.uk/modules/mod005456

6d. Specialist Learning Resources
Laboratories, computers, hardware, software, test equipment, presentation media, etc., as appropriate.

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	Choose and define the scope of an appropriate area for structured investigation / design / development.
2	Knowledge and Understanding	Collect, organise, understand and interpret information from a variety of appropriate resources, acting autonomously, with minimal supervision.
3	Knowledge and Understanding	Identify, select and justify the use of appropriate techniques, methods and development strategies, incorporating an ethical dimension where appropriate. Identify achievements and skills and plan for progression post-degree.
4	Intellectual, practical, affective and transferrable skills	Critically evaluate evidence to justify and support conclusions / recommendations.
5	Intellectual, practical, affective and transferrable skills	Communicate effectively, in a professional manner, in writing and orally (if appropriate), and produce detailed and coherent work.
6	Intellectual, practical, affective and transferrable skills	Show, where appropriate, flexible and creative approaches and skills to complex problem solving, demonstrating capacity for conceptual, critical and independent thinking and showing good academic practice.

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2017/8	F01UCP	Semester 1 And 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	12	1,2,3,6	Lecture 1 hr for 6 weeks, Sem 1 and 6 weeks Sem 2
Other teacher managed learning	6	2,3,4,5,6	Individual meeting with supervisor 30 mins every 2 weeks over 24 weeks or equivalent by mutual agreement
Student managed learning	282	1,2,3,4,5,6	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	Coursework	1,2,3,4,5,6	15 (%)	Fine Grade	30 (%)

A Poster must be presented to an invited audience shortly after the second semester (15%). 1000 word equivalent.

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	3,5	85 (%)	Fine Grade	30 (%)

The main item of assessment is the student's Final Report (85%) which is submitted towards the end of the second semester. (10,000 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