

Module code: MOD008922		Version: 1 Date Amended: 18/May/2022	
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1. Module Title	
Computing Major Project	

2a. Module Leader	
James Larner	

2b. School	
Faculty of Creative and Digital Arts and Sciences at ARU Peterborough	

2c. Faculty	
ARU Peterborough	

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

The individual Final Project module will allow you to engage in a substantial piece of individual research and / or product development work, focused on a topic relevant to your specific discipline. Your topic may be drawn from a variety of sources including: ARU research groups, previous / current work experience, your company in which you are currently employed, an ARU staff-suggested topic or a topic of your specific interest related to your course discipline. Your project topic will be appraised for suitability to ensure there is sufficient academic challenge and that satisfactory supervision by an academic member of staff is available. Your chosen topic will require you 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, and critically appraise and present your findings using a variety of media. Regular meetings with your project supervisor will take place to ensure the project is closely monitored and guided in the right direction. A successful project will increase your employability as employers often place far more emphasis than the credit weighting suggests for this module because it will reflect skills directly applicable to the workplace and real world projects (such as qualities of self-management, planning and organisational skills). It is common practice at interview for an employer to ask you about your project as it gives you a chance to demonstrate your technical and communication skills on a specialist topic that you will be enthusiastic and knowledgeable about. For these reasons you will also have to undertake a small amount of Personal Development Planning with respect not only to your project but also more generally to prepare you for life after university.

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 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: <https://readinglists.aru.ac.uk/>

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	Intellectual, practical, affective and transferrable skills	Design, implement and test an artefact through its development lifecycle and critically evaluate evidence to justify and support conclusions /recommendations in relation to that artefact.
4	Intellectual, practical, affective and transferrable skills	Communicate effectively, in a professional manner, in writing and orally (if appropriate), and produce detailed and coherent work.
5	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.
6	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.

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	24	1-5	1hr x 24 weeks Mixture of formal lecture and 1:1 meetings/tutorials
Other teacher managed learning	6	1-6	Individual meetings with supervisor over 2 trimesters
Student managed learning	270	1-6	Self directed learning
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	1-6	100 (%)	Fine Grade	30 (%)
3 assessment components - total 6,000 words equivalent					

Assessment components for Element 010				
Component No.	Assessment Title	Submission Method	Weighting (%)	Components needed for Mark Calculation?
010/1	Interim Report - 500 words		10 (%)	All
010/2	Final Report - 10,000 words		70 (%)	
010/3	Poster Presentation - 20 minutes equivalent		20 (%)	

<p>In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).</p> <p>In addition, students are required to:</p> <p>(a) achieve the qualifying mark for each element of fine graded assessment as specified above</p> <p>(b) pass any pass/fail elements</p> <p>[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]</p>
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