



Module Specification

Project and Dissertation

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Part 1: Information

Module title: Project and Dissertation

Module code: UFCFPU-30-3

Level: Level 6

For implementation from: 2022-23

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Environment & Technology

Department: FET Dept of Computer Sci & Creative Tech

Partner institutions: None

Delivery locations: Gloucester Campus

Field:

Module type: Project

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: In this project module, you undertake an individual piece of work in which you explore an idea from conception through to realisation.

Features: Not applicable

Educational aims: This module aims to bring together knowledge and skills, research and application in a single project that addresses an aspect of cyber security.

Outline syllabus: There is no specific syllabus for this module as the project is an individual piece of work, exploring an idea from conception through to realisation. Nonetheless, elements of the project process are covered in a short lecture series at the start of the academic year. The lectures will normally be delivered by the module leader or their nominee. They will cover topics such as:

- Choosing a project
- Introducing and developing research skills
- Researching the project idea
- Making use of your module leader/supervisor
- Moving from research to requirements
- Writing up the project

Part 3: Teaching and learning methods

Teaching and learning methods: In parallel with the lecture series, students will identify (or be allocated) a project supervisor. They will then agree the subject of the project with the supervisor, the Module Leader, and the Employer.

Suitable topics must be related to the workplace and must lend itself to research followed by a solution development process based on the research. The research component will include the identification of a suitable topic and subsequent investigation from books, papers and other sources. Requirements should be derived from the research. The solution development will include the identification of suitable tools and methodologies to use. Whatever the subject, the apprentice will be expected to treat material critically and to demonstrate their understanding of the relevance of material both to their award and to the project topic. They will also be expected to reflect on the tools and methodologies used and, at the project completion, comment on their suitability.

Each student will be assigned a supervisor who will meet them regularly to discuss progress and to give guidance on planning and managing the work. It is the student's responsibility to research material and techniques appropriate to the subject of the project.

Wherever possible students will be assigned a supervisor with an interest in the project topic. The responsibilities of the tutor are primarily to provide guidance on the management of the project, the standard of work required, what can realistically be done in the available time and to give feedback on work done (including the writing of the report).

In the initial stages of the project the student and their tutor will discuss objectives which must be achieved if the project is to receive a pass grade. Criteria which must be met for a higher grade will also be identified. (Projects develop unpredictably, the objectives are only intended as a guide to the level expected and details may change).

At the beginning of the year in which the project is undertaken, a short series of lectures will provide the student with the context in which the project is to be undertaken

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Research academic and commercial papers and use the knowledge and information gained from the research to inform a development project.

MO2 Solve a real-life problem from the workplace, synthesising and critically evaluating the adopted approach and/or methodology.

MO3 Evaluate information from multiple sources in the search for a solution to a problem.

MO4 Identify, justify and apply tools and methodologies appropriate to a particular problem.

MO5 Communicate both the nature of the solution developed and the process by which it was produced in a significant piece of writing

MO6 Critically review and justify the proposed solution, including cross reference to stakeholder feedback.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 207 hours

Placement = 78 hours

Face-to-face learning = 15 hours

Total = 300

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link <https://rl.talis.com/3/uwe/lists/00EC2E70-D813-CD23-A62A-1FC45EAF22AC.html>

Part 4: Assessment

Assessment strategy: There are three elements to the assessment of the project, structured both to support the student through the project and also to allow them both to demonstrate their report writing skills and to showcase their technical ability.

The major piece of assessed work is the project report. This will be between 8,000 - 10,000 words plus supporting material in the form of software where appropriate and documentation. The report is submitted upon completion of the project and carries 70% of the available marks.

In addition, at approximately the middle of the project period, students are required to attend a project-in-progress day. The project-in-progress day is organised as a poster event and students are expected to prepare a poster that describes their project idea and progress to date. The day is attended by academics from across the department and the employers and is an opportunity for students, staff and the employers to discuss and exchange ideas about their work. 5% of the overall

available marks are devoted to the material produced for the project in progress day. Finally, after submission of the project report, students are required to present and demonstrate their solution to their supervisor, and optionally their employer.

The resit will consist of a reworked project report incorporating the main sit feedback. After the resit submission students will be required to present and demonstrate their solution to their supervisor, and optionally their employer.

Assessment components:

Practical Skills Assessment - Component A (First Sit)

Description: 30-minute viva including technical demonstration held during exam period

Weighting: 25 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO6

Poster - Component A (First Sit)

Description: Project-In-Progress Day: A1 sized poster and 5-minute video

Weighting: 5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO6

Report - Component A (First Sit)

Description: Project report (8000-10000 words)

Weighting: 70 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Practical Skills Assessment - Component A (Resit)

Description: 30-minute viva including technical demonstration held during resit exam period

Weighting: 25 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

Report - Component A (Resit)

Description: Reworked project report (8000-10000 words)

Weighting: 75 %

Final assessment: No

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Cyber Security Technical Professional {Apprenticeship-GLOSCOLL}

[Sep][FT][GlosColl][3yrs] BSc (Hons) 2020-21