



## **Module Specification**

### **Systems Development Group Project**

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## Part 1: Information

**Module title:** Systems Development Group Project

**Module code:** UFCF7S-30-2

**Level:** Level 5

**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:** Frenchay Campus

**Field:** Computer Science and Creative Technologies

**Module type:** Standard

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** The aim of this module is to provide students with the ability to work as part of a cross functional team assuming an active role in completing a real world problem based project.

Students will be introduced to the concept of working as members of a systems development team and will be expected to abide by professional code of conduct and observe ethical considerations in their practice.

Students will also learn to adhere to procedures that will support the safety of the systems that they develop and to design systems ensuring that their products will support the users' compatibility with the relevant data protection legislation.

**Features:** Not applicable

**Educational aims:** The module aims to strengthen students' holistic development skills and their professional outlook in terms of entering a placement year or progressing and completing a comprehensive individual project in their final year of studies.

**Outline syllabus:** Indicative Content:

Requirements Specification

Project Planning

Group work and responsibilities management

Risk assessment

Design for Testing

Implementation & review

Professional conduct

Legal Issues in Systems Development and information management

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** The module will operate as a series of workshops where consistency in attendance and continuous monitoring of the work will be instrumental to the progress of learning and the completion of the work. Module tutors will act as consultants to the project teams.

Formal lectures will be limited to the start of each session to allow for emphasis and clarification on material that will be preloaded on the VLE pages of the module, which students will be expected to explore prior to sessions in self-learning mode.

Support will be invited by the Library Service to help building research skills, by running one of the sessions. These will support work for this module, will prepare students for the final year project work, and will prepare those students that will be opting for a placement year in industry.

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

**MO1** Apply the knowledge and skills associated with software development life cycle to design and develop a sustainable system. (assessed in Component A)

**MO2** Design and plan for testing of a product that will address the project's requirements efficiently and effectively (A)

**MO3** Conduct themselves in a professional manner and work effectively as a member of a project team (assessed in components A & B)

**MO4** Develop a working knowledge of the challenges of safety in systems development projects and apply this in their work practice (assessed in component A)

**MO5** Demonstrate awareness of ethical and legal issues in building systems that will be using and processing personal and corporate data (assessed in component A & B).

**MO6** Contribute to the effective management and completion of a project (assessed in Components A & B)

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/E970464A-8F4A-75B1-1931-8354CA943E4D.html?lang=en-GB&login=1) via the following link <https://rl.talis.com/3/uwe/lists/E970464A-8F4A-75B1-1931-8354CA943E4D.html?lang=en-GB&login=1>

## **Part 4: Assessment**

**Assessment strategy:** The assessment for the module will comprise both formative and summative assessment.

Formative assessment will be in the form of regular meetings with the team consultants (module tutors as well as visiting professionals).

Summative assessment will be in the form of group and individual assessment, comprising software demonstration, group project documentation, individual essay and presentation in the form of short video.

Resit will comprise summative assessment. Students will be reassigned to new groups to complete the group work. Presentations will be conducted online with all members of the group joining the presentation. The individual resit assessment will remain as per the main sit.

### **Assessment components:**

#### **Report - Component A (First Sit)**

Description: Design Group Report & Documentation / 8000 words (5 students maximum)

Weighting: 50 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

#### **Practical Skills Assessment - Component A (First Sit)**

Description: Project Demonstration & Evaluation (Group) - in class

Weighting: 30 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO4, MO5, MO6

#### **Written Assignment - Component B (First Sit)**

Description: Individual essay (1000 words) - reflective evaluation of the work, or a 2 minutes video presentation of the reflective evaluation

Weighting: 20 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO5, MO6

**Report - Component A (Resit)**

Description: Design Group Report & Documentation / 8000 words (5 students maximum)

Weighting: 50 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

**Poster - Component A (Resit)**

Description: Project Demonstration & Evaluation (Group) - online

Weighting: 30 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO4, MO5, MO6

**Written Assignment - Component B (Resit)**

Description: Individual essay (1000 words) - reflective evaluation of the work, or a 2 minutes video presentation of the reflective evaluation

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO5, MO6

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Computer Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Computer Science [Sep][FT][Villa][3yrs] BSc (Hons) 2021-22

Computer Science [Jan][FT][Villa][3yrs] BSc (Hons) 2021-22

Computer Science [May][FT][Villa][3yrs] BSc (Hons) 2021-22

Computer Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Computer Science {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21