



## **Module Specification**

### **Systems Development Group Project**

Version: 2023-24, v5.0, 27 Jan 2023

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## Part 1: Information

**Module title:** Systems Development Group Project

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

**Level:** Level 5

**For implementation from:** 2023-24

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Environment & Technology

**Department:** FET Dept of Computer Sci & Creative Tech

**Partner institutions:** None

**Field:** Computer Science and Creative Technologies

**Module type:** Module

**Pre-requisites:** Principles of Programming 2022-23

**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.

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

**MO3** Conduct themselves in a professional manner and work effectively as a member of a project team

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

**MO5** Demonstrate awareness of ethical and legal issues in building systems that will be using and processing personal and corporate data

**MO6** Contribute to the effective management and completion of a project

**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 is based around the implementation of a group software development project and associated documentation, providing evidence of individual contributions and process.

Regular meetings with the team consultants (module tutors as well as visiting

professionals) to provide structured engagement and feedforward information to groups.

The assessment will involve two tasks. A group report with supporting documentation will be used to assess the development process and will include individual reflections from each group member. A presentation is used for each group to demonstrate their software followed by questions to individual group members.

For the resit students will be reassigned to new groups to complete a group project. Presentations will be conducted online with all members of the group joining the presentation. Group report and individual reflective essays will be submitted as per the main sit.

**Assessment tasks:**

**Practical Skills Assessment (First Sit)**

Description: Project Demonstration & Evaluation (Group)

Weighting: 40 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO4, MO5, MO6

**Report (First Sit)**

Description: Design Group Report & Documentation / up to 10000 words, Inclusive of individual reflective statements (5 students maximum)

Weighting: 60 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

**Practical Skills Assessment (Resit)**

Description: Project Demonstration & Evaluation (Group)

Weighting: 40 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO4, MO5, MO6

### **Report (Resit)**

Description: Design Group Report & Documentation / up to 10000 words, Inclusive of individual reflective statements (5 students maximum)

Weighting: 60 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

## **Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Computer Science (Artificial Intelligence) [NepalBrit] BSc (Hons) 2022-23

Computer Science [Villa] BSc (Hons) 2022-23

Computer Science [Frenchay] BSc (Hons) 2022-23

Computer Science {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Computer Science (Artificial Intelligence) {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Smart Devices) {Foundation}[Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science {Foundation}[Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Smart Devices) {Foundation}[Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Computer Science (Artificial Intelligence) {Foundation}[Feb][FT][GCET][4yrs] BSc  
(Hons) 2021-22

Computer Science {Foundation}[Feb][PT][GCET][8yrs] BSc (Hons) 2021-22