Module Specification

Systems Development Group Project

Version: 2021-22, v2.0, 01 Jun 2021

Contents

Part 1: Information

Module title: Systems Development Group Project

Module code: UFCF7S-30-2

Level: Level 5

For implementation from: 2021-22

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:

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 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 individual students reworking part of the project that they have failed and reflecting on previous work issues that they have addressed and improved upon for the revised project

Assessment components:

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

Group work - 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

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: Repair the previously submitted group work explaining the impact of your individual actions in improving the work - 2000 words
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Poster - Component A (Resit)
Description: The student will individually present the outcome of the repaired project and highlight the achieved outcome with a collection of screen shots, diagrams and text in a well presented poster. Poster size A1 maximum - one poster.
Weighting: 30 %
Final assessment: No
Group work: No
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) 2020-21

Computer Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21