



Module Specification

Synoptic Project

Version: 2023-24, v4.0, 16 Mar 2023

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Part 1: Information

Module title: Synoptic Project

Module code: UFCFHN-30-3

Level: Level 6

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: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This module assesses a major piece of individual work executed by the students for their employer.

Features: Not applicable

Educational aims: To allow the execution of a major, individual, work-based project

To provide a real-world experience integrating topics covered in other modules.

To encourage critical reflection on the project experience.

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, aspects 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

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 task 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 student 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 but this cannot be guaranteed. 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 academic 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.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion. Study time will be organised each week with a series of both essential and further readings and preparation for practical workshops. It is suggested that preparation for lectures, practical workshops, session delivery and seminars will take 7 hours per week.

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

MO1 Investigate a topic for the chosen area of specialism.

MO2 Research academic and commercial papers and use the knowledge and information gained from the research to inform a development project.

MO3 Solve a real-life problem from the workplace, synthesising and critically evaluating the adopted approach and/or methodology.

MO4 Evaluating information from multiple sources in the search for this solution.

MO5 Identify, justify and apply tools and methodologies appropriate to a particular problem.

MO6 Communicate both the nature of the solution developed and the process by which it was produced in a significant piece of writing.

MO7 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 = 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/EC7DC545-5175-5EBA-FC04-DAA22586CAE8.html) via the following link

<https://rl.talis.com/3/uwe/lists/EC7DC545-5175-5EBA-FC04-DAA22586CAE8.html>

Part 4: Assessment

Assessment strategy: There are two assessment tasks for the project.

Assessment will be based on criteria established by the module team with each employer, as described in detail in the module handbook. As this module also acts in part as the End-Point Assessment for the apprenticeship, these will be based on the IfA Knowledge, Skills and Behaviours skillset, plus additional criteria only applicable to the Synoptic Project module.

The major piece of assessed work is the project report. This will be 3,000 words plus supporting material in the form of software where appropriate and documentation. The report is submitted upon completion of the project and carries

75% of the available marks. In addition to the KSB criteria, the following module criteria need to be fulfilled:

Evidence of self-management and critical reflection on the project content and process

Clarity of exposition within the report

The second task is the presentation, contributing 25% of the overall marks. In addition to the KSBs, presentation and Demonstration skills will be assessed in this task.

Both assessment methods must be passed for the apprentice to pass the apprenticeship.

Assessment tasks:

Presentation (First Sit)

Description: Presentation and/or Demonstration (20 Minutes)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO7

Report (First Sit)

Description: Project report (3000 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6, MO7

Report (Resit)

Description: Project report (3000 words)

Weighting: 75 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6, MO7

Presentation (Resit)

Description: Presentation and/or Demonstration (20 Minutes)

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO7

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Digital and Technology Solutions (Business Analyst) {Apprenticeship-UCW}
[Sep][FT][UCW][4yrs] BSc (Hons) 2020-21

Digital and Technology Solutions (Data Analyst) {Apprenticeship-UCW}
[Sep][FT][UCW][4yrs] BSc (Hons) 2020-21

Digital and Technology Solutions (Software Engineer) {Apprenticeship-UCW}
[Sep][FT][UCW][4yrs] BSc (Hons) 2020-21

Digital and Technology Solutions (Cyber Security Analyst) {Apprenticeship-UCW}
[Sep][FT][UCW][4yrs] BSc (Hons) 2020-21