Module Specification

Foundational Practice Team Project

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Part 1: Information

Module title: Foundational Practice Team Project

Module code: UFCEJA-30-1

Level: Level 4

For implementation from: 2025-26

UWE credit rating: 30

ECTS credit rating: 15

College: College of Arts, Technology and Environment

School: CATE School of Computing and Creative Technologies

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: In this first team-based project module we will develop skills in team processes, tools and project management. We will work in teams to carry out and evaluate a small data science project, applying the skills and knowledge gained from other modules to a practical problem, fostering an integrated and applied approach to learning. We will emphasise collaborative tools, processes and decision-making.

Features: Not applicable

Educational aims: This module is designed to provide students with a low-stakes, collaborative data science project working experience, to help develop team working and knowledge of the data science team process.

Outline syllabus: This is a team-centric module that seeks to apply skills and knowledge from other modules, to this end content will be somewhat flexible to cater to perceived gaps and specific needs in relation to the practice problem under investigation, but likely to include:

Project scoping, estimation and task identification
Data extraction, transformation and retrieval
Development of a code base
An introduction to agile methods
Critiquing own and others' work
Shared version control implementation
Use of cloud platforms for collaborative analysis work
Project documentation
Communicating data science results through dashboards, interactive graphs and similar artefacts

Part 3: Teaching and learning methods

Teaching and learning methods: This is a largely practical module, with tutors acting as stakeholders and mentors.

Student groups will tackle the same, or similar challenges based around a real-world problem and associated dataset(s).

The module will make use of peer and self feedback and assessment to help develop students' critical and quality control skills.

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

MO1 Research, Implement and evaluate a data science analysis task as part of a team.

MO2 Communicate the findings of a data science project effectively.

MO3 Reflect on personal effectiveness and identify learning goals as a result of active engagement with a shared project.

MO4 Implement a shared technical platform and process for conducting a collaborative data science analysis, incorporating version control, secure data management and application code.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

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/0CA2CF9F-DBAD-9B41-D460-E912E6ED3555.html?lang=en-GB

Part 4: Assessment

Assessment strategy: The assessment will be a portfolio consisting of team and individual outputs, including design documents, code listings, data flow diagrams, process and project management evidence, team and personal reflections.

The portfolio will be graded based on peer assessment marks and tutor judgements.

The resit assessment strategy will be the same as for the first sit.

Assessment tasks:

Portfolio (First Sit)
Description: Portfolio of individual and group work (6-12 page report and code link)

Weighting: 100 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Portfolio (Resit)

Description: Portfolio of individual and group work (6-12 page report and code link)

Weighting: 100 %

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:

Data Science [Frenchay] BSc (Hons) 2025-26