Module Specification

Extended Research Project

Version: 2023-24, v2.0, 16 Jun 2023

Contents

Part 1: Information

Module title: Extended Research Project

Module code: USSJLJ-60-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 60

ECTS credit rating: 30

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Field: Applied Sciences

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: The extended project module offers a practical-based research project to develop and demonstrate advanced skills in Health Technology research. Based on the ethos of the MSc the project module will integrate the expertise across the fields of Bioscience, AI and Robotics.

The projects will be designed in a cross-disciplinary manner, where a combined approach to lead novel research projects that show how AI and digital technology will

address current challenges in the diagnosis and monitoring of chronic diseases or to promote health and wellbeing (such as wearable technologies).

Features: Not applicable

Educational aims: The aim of the extended research project is to integrate existing expertise, and through collaboration, develop innovative approaches to address key research questions in the Health Technology arena, using a multi-disciplinary approach.

Outline syllabus: Literature review
Quantitative and qualitative analysis
Formative Portfolio

Part 3: Teaching and learning methods

Teaching and learning methods: Here, students will benefit from the supervision of at least two academics, cross Faculty. The project design will offer an "umbrella" project that will address several key challenges associated with the diagnosis, monitoring or treatment of a chronic disease. Here, students are part of a group-based project but develop their independent critical thinking through research-focused tasks. This approach brings together a practical-based research project to develop and demonstrate advanced skills in Health Technology.
As these projects are designed from a team/collaborative perspective, students will benefit from peer-peer learning, which will be enhanced by working with students from different disciplines.

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

MO1 Apply good practice with respect to Research Governance and Quality, method validation and safe working practices (Component A)

MO2 Critically evaluate and interpret data informed by the research question. (Component A)

MO3 Synthesise key research questions through the use of open databases, including, where appropriate, frequency of occurrence of evidential materials to enable critical evaluation. (Components A)

MO4 Write robust, balanced, impartial, logical and transparent reports (Component A)

MO5 Effectively work independently and in a team environment. (Component A)

MO6 Articulate and defend key data generated from novel research through presentation/oral communication. (Component A)

Hours to be allocated: 600

Contact hours:

Independent study/self-guided study = 170 hours

Face-to-face learning = 430 hours

Total = 600

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link
https://www.sheffield.ac.uk/polopoly_fs/1.825931!/file/Guidance_for_Writing_Lab_Reports.pdf

Part 4: Assessment

Assessment strategy: Assessment 1 is a project report and viva voce, together with several strands of formative assessment.

•Formative assessment opportunities are present throughout the project, through meetings with the project supervisors.
•Formative feedback will also be given on the research proposal submitted as a gateway to starting project work & prior to inclusion in the final report. This proposal is a series of documents detailing the project hypothesis & rationale, research strategy, a review of the literature and proposed methodologies, time and resource management and research governance. This is a formative piece of assessment.

•The project report (5000 words) will be presented in a standard format comprising the following sections: an abstract, introduction, materials and methods, results and discussion. Results and discussion may be combined. The student will subsequently be examined in a viva voce (30 minutes).

•Plagiarism is designed out by the bespoke nature of the project.

Assessment tasks:

Project (First Sit)

Description: The project report (5000 words) and viva voce examination (30 minutes).

Weighting: 100 %

Final assessment: Yes

Group work: Yes

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

Project (Resit)

Description: The project report (5000 words) and viva voce examination (30 minutes).

Weighting: 100 %

Final assessment: Yes

Group work: No

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

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Health Technology [Frenchay] MSc 2023-24

Health Technology [Frenchay] MSc 2022-23