



Module Specification

Research with Impact

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Part 1: Information

Module title: Research with Impact

Module code: USSKM5-30-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Delivery locations: Not in use for Modules

Field: Applied Sciences

Module type: Module

Pre-requisites: Research Dissertation Project 2023-24, Research Experimental Project 2023-24

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: The principal themes within the module are those of research impact, research governance and science communication.

Features: Not applicable

Educational aims: See Learning Outcomes.

General Graduate Skill: Communication

Specific strand: Presentation and graphical abstract (A1, B2); Public engagement (B1)

Developed, evidenced

General Graduate Skill: Professionalism

Specific strand: Reflective practice

Introduced

General Graduate Skill: Critical Thinking

Specific strand: Literature review (A1, B2) and Blog (B1)

Developed, evidenced

General Graduate Skill: Digital Fluency

Specific strand: Scientific blog (B2)

Introduced, evidenced

General Graduate Skill: Innovative and Enterprising

Specific strand: (optional) A1, B1

Introduced, evidenced

General Graduate Skill: Forward Looking

Specific strand: (optional) A1, B1

Introduced, evidenced

General Graduate Skill: Emotional Intelligence

Specific strand: Via class discussion, debate

Developed

General Graduate Skill: Globally Engaged

Specific strand: (optional) A1, B1

Introduced, evidenced

Outline syllabus: Indicative content is listed below:

Research impact: students will develop an understanding of 'research impact' in the context of the Research Councils UK (RCUK) definition; 'the demonstrable contribution that excellent research makes to society and the economy'.

Research governance: students will develop a detailed understanding of the importance of the research governance process incorporating consideration of the ethics of scientific research, research integrity, and evaluating the risks associated to workers and the wider community of undertaking scientific research.

The scientific literature: students coming through 3 years of a BSc (Hons) Programme will have substantial experience of literature searching. This aspect of the syllabus will focus on developing an awareness of the integrity and quality of sources of information and on evaluating the quality and using the literature to engage in intellectual argument. Students will gain experience of the use of relevant reference management software, and appropriate strategies for literature searching, including systematic review.

Science communication: students will develop an understanding of the importance of effective science communication in achieving research impact and develop skills in and an appreciation of the value of communicating their research effectively to both specialists in their field and to a wider audience.

Public engagement: students will develop an understanding of the importance of engaging the public in the context of communicating science, addressing misconceptions and inspiring future scientists.

Part 3: Teaching and learning methods

Teaching and learning methods: Scheduled learning is by a structured programme of lectures and tutorial sessions. Lectures are designed to deliver specialist subject knowledge along with an overview of the topic and relevant context.

Tutorial sessions will engage students in discussion and debate around the lecture material allowing students to construct arguments, recognise and respect the views of others, develop negotiating skills and appreciate the validity of differing points of view. Writing and presentation skills will be developed in facilitated tutorial sessions through tutor and peer feedback.

Scheduled learning includes lectures and tutorials.

Independent learning includes hours engaged with essential reading and assignment preparation.

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

MO1 Demonstrate an in-depth understanding of the importance of academic and research integrity

MO2 Construct reasoned arguments to support their position on the ethical and social and economic impact of advances in their field of interest

MO3 Analyse, synthesise and summarise information critically from a variety of sources

MO4 Communicate about their subject appropriately to a variety of audiences using a range of formats and approaches and employing appropriate scientific language

MO5 Use the internet and other electronic sources critically as a means of communication and a source of information

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://uwe.rl.talis.com/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: Assessment task A will consist of an oral presentation under controlled conditions, on a topical or controversial topic in the student's field of interest.

Assessment task A is an evaluation of the impact of recent scientific developments in the student's field of choice, in terms of their social, economic and ethical impact.

Assessment task B will comprise two elements; a scientific blog and a graphical abstract or infographic to accompany their oral presentation.

The scientific blog will assess the student's ability to write for a wider audience, as well as their ability to respond to diverse and potentially challenging arguments in a reasoned and authoritative manner.

The graphical abstract or infographic will develop the student's ability to communicate effectively to scientists within and outside their field.

It is expected that students will develop their presentation, abstract and bBlog posts at least partly during the scheduled learning sessions, enabling formative feedback from tutor and/or peers.

Individual topics limit opportunities for plagiarism.

Assessment components:

Presentation (First Sit)

Description: Oral presentation (20 minutes) with questions (10 minutes)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO4

Written Assignment (First Sit)

Description: Component B1.

Scientific blog.

Weighting: 42 %

Final assessment: Yes

Group work: No

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

Set Exercise (First Sit)

Description: Component B2:

Graphical abstract or infographic.

Weighting: 18 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO4

Presentation (Resit)

Description: Oral presentation (20 minutes) with questions (10 minutes)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO4

Written Assignment (Resit)

Description: Component B1.

Scientific blog.

Weighting: 42 %

Final assessment: Yes

Group work: No

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

Set Exercise (Resit)

Description: Component B2.

Graphical abstract or infographic.

Weighting: 18 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Biomedical Science [Sep][FT][Frenchay][4yrs] MSci 2020-21

Wildlife Ecology and Conservation Science [Sep][FT][Frenchay][4yrs] MSci 2020-21

Environmental Science [Sep][FT][Frenchay][4yrs] MSci 2020-21

Biological Sciences [Sep][FT][Frenchay][4yrs] MSci 2020-21

Wildlife Ecology and Conservation Science {Foundation} [Sep][FT][Frenchay][5yrs]
MSci 2019-20

Biological Sciences [Sep][SW][Frenchay][5yrs] MSci 2019-20

Biological Sciences {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2019-20

Biomedical Science [Sep][SW][Frenchay][5yrs] MSci 2019-20

Wildlife Ecology and Conservation Science [Sep][SW][Frenchay][5yrs] MSci 2019-20

Biomedical Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2019-20

Environmental Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2019-20

Environmental Science [Sep][SW][Frenchay][5yrs] MSci 2019-20

Biomedical Science {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2018-19

Environmental Science {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2018-19

Biological Sciences {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2018-19

Wildlife Ecology and Conservation Science {Foundation} [Sep][SW][Frenchay][6yrs]
MSci 2018-19