MODULE SPECIFICATION

Part 1: Information			
Module Title	Research with Impact		
Module Code	USSKM5-30-M	Level	Level 7
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Health & Applied Sciences	Field	Applied Sciences
Department	HAS Dept of Applied Sciences		
Module type:	Standard		
Pre-requisites	Research Dissertation Project 2020-21, Research Experimental Project 2020-21		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
Overview: The principal themes within the module are those of research impact, research governance and science communication. **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: Critial 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.

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.

Part 3: Assessment

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

Component 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.

Component 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.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Presentation - Component A		40 %	Oral presentation (20 minutes) with questions (10 minutes)
Written Assignment - Component B	✓	42 %	Component B1. Scientific blog.
Set Exercise - Component B		18 %	Component B2: Graphical abstract or infographic.
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B	✓	42 %	Component B1. Scientific blog.
Set Exercise - Component B		18 %	Component B2. Graphical abstract or infographic.
Presentation - Component A		40 %	Oral presentation (20 minutes) with questions (10 minutes)

Part 4: Teaching and Learning Methods

Learning Outcomes

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

Module Learning Outcomes	Reference
Demonstrate an in-depth understanding of the importance of academic and research integrity	MO1
Construct reasoned arguments to support their position on the ethical and social and economic impact of advances in their field of interest	MO2
Analyse, synthesise and summarise information critically from a variety of sources	MO3
Communicate about their subject appropriately to a variety of audiences using a range of formats and approaches and employing appropriate scientific language	MO4
Use the internet and other electronic sources critically as a means of communication and a source of information	MO5

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	234
Total Independent Study Hours:	234
Scheduled Learning and Teaching Hours:	
Face-to-face learning	66
Total Scheduled Learning and Teaching Hours:	66
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/index.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Biological Sciences [Sep][FT][Frenchay][4yrs] MSci 2018-19