



MODULE SPECIFICATION

Part 1: Information			
Module Title	Current Issues in Biomedical Science		
Module Code	USSKL3-30-M	Level	Level 7
For implementation from	2021-22		
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	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: The module covers both the scientific topics that are of current concern, and also introduces policy and management topics that are relevant to the biomedical sector at this time. This recognises that biomedical science diagnostics and research happens within the broader setting of the political and social structures of the United Kingdom.</p> <p>The scientific topics will be related to current priority areas of government departments and agencies and funding bodies such the Medical Research Council, The Wellcome Trust, BBSRC, DiabetesUK, Alzheimer's Society or the British Heart Foundation.</p> <p>The management topics to be covered will be those related to legislation pertaining to the sector, professional body requirements, laboratory facility standards, training and development, leadership styles and their impact in the workplace, and other topics identified as the course develops.</p> <p>Teaching and Learning Methods: This second-semester module adopts a student-centred approach which encourages and facilitates the adoption of an independent, self-directed learning style. It will be delivered as a series of key note lectures from which students select a topic to study further that relates to their chosen specialist</p>

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subject. Tutorials support the students through the writing of their reviews and the preparation of their presentation: these activities build on those completed in first semester modules.

Part 3: Assessment

This module is one of the multidisciplinary modules - however students undertake the assessment in relation their chosen discipline.

The coursework is research critique on a current topic, related to those covered in the lecture series – this could be scientific, management or a combination of both. It is similar in style to a review article in a journal with strict editorial guidance to follow; in line with preparing a manuscript for publication. The second component is an oral presentation again with a strict set of criteria designed to give students the practice of preparing a presentation under restriction to mimic the skills needed for professional scientific presentations. These are highly relevant assessments for higher level science graduates to have undertaken, preparing them for future academic style writing in the professional lives.

Students also develop several transferable skills during this assessment including negotiation (they are allowed to pick their own title and refine it), critiquing of published literature, scientific writing etiquette, and editing documents to a high editorial standard.

First Sit Components	Final Assessment	Element weighting	Description
Presentation - Component A	✓	50 %	Oral presentation (15 minutes including defence)
Written Assignment - Component B		50 %	Research critique (2500 words)
Resit Components	Final Assessment	Element weighting	Description
Written Assignment - Component A	✓	50 %	Written version of oral presentation (1000 words plus the slides)
Written Assignment - Component B		50 %	Research critique (2500 words)

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
	Critically appraise current literature in an area of interest within the student's specialist-subject	MO1
	Discuss critically the role of research in furthering knowledge and understanding of a topic of the students choice	MO2
	Develop further skills in written and oral communication relevant to an audience of peers and academics relevant to biomedical science	MO3
	Show an awareness of the scientific and/or political/social factors that impact on the biomedical science research and diagnostics	MO4
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	228
	Total Independent Study Hours:	228

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	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	72
	Total Scheduled Learning and Teaching Hours:	72
	Hours to be allocated	300
	Allocated Hours	300
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://rl.talis.com/3/uwe/lists/9F67EA49-85B2-748E-1965-1AD781F78A83.html?lang=en-GB&login=1</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Biomedical Science [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Medical Microbiology) [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Medical Genetics) [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Immunology) [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Haematology) [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Clinical Biochemistry) [Sep][FT][Frenchay][1yr] MSc 2020-21

Biomedical Science (Cellular Pathology) [Sep][FT][Frenchay][1yr] MSc 2020-21