

ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data							
Module Title	Current Issues in Biomedical Research						
Module Code	USSKM7-30-M		Level	M	Ver	sion	1
UWE Credit Rating	30	ECTS Credit Rating	15	WBL modu	ıle?	No	
Owning Faculty	Health and Applied Sciences		Field	Biomedical Sciences			
Department	BBAS		Module Type	Standard			
Contributes towards	MSci Biomedica	al Science					
Pre-requisites	None		Co- requisites	None			
Excluded Combinations	None		Module Entry requirements	None			
First CAP Approval Date	May 2016		Valid from	September 2016			
Revision CAP Approval Date			Valid from				

Review Date Septe

September 2022

	diabetes, dementia, neuroscience, genomic medicine, clinical research trials.					
	Research Methods: theoretical and hands-on practical skills sessions into state-of-the-art methodologies adopted in biomedical research.					
Contact Hours	Scheduled contact time will comprise:					
	• 11 x 2 hour lectures.					
	• 11 x 1 hour tutorials.					
	11 x 3 hour practical sessions.					
	 1 x 6 hour poster presentation session. 					
	Delivered as one day per week in Semester 1.					
Teaching and Learning	Scheduled learning includes lectures, tutorials and practical sessions.					
Methods	 Lectures are delivered by research –active academic specialists, covering subject-specific knowledge of key impact research areas in biomedical science research. 					
	• Tutorial sessions will build upon the lecture material by engaging students in discussion and debate on specific research-related themes. Content will be based around peer-reviewed research publications, covering the latest developments in identified biomedical research areas. Through interactive debate, students will develop their ability to read, interpret and critically discuss research, and contemporary viewpoints surrounding research.					
	• Practical sessions, on advanced and applied biomedical analytical and research methods, encourage experiential learning. Students are able to develop their practical competencies and data-handling abilities in a context specifically relevant to applied biomedical science research. Students' key skills will be assessed via a laboratory assignment.					
	• Student lectures and independent learning will be supported through the University Online Learning Environment (OLE; Blackboard) through provision of/direction to appropriate peer-reviewed publications to guide independent study.					
	• The module will be studied over a single semester. 72 hours of scheduled learning will be delivered. Students are expected to undertake 228 hours of independent learning. Weekly learning will comprising a 2 hour lecture, a 1 hour tutorial, and a 3 hour practical/skills session.					
	• Each student will give a presentation to staff members and their peers, on a contemporary important area in biomedical research.					
Key Information Sets Information	Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.					
	Further detail on Key Information Sets and how the University is implementing its requirements can be found at <u>https://share.uwe.ac.uk/sites/ar/kis/KIS%20Background%20Information/Forms/AllItem</u> <u>s.aspx</u> This also contains further guidance on how to complete the information requested below.					
	A KIS is required for every undergraduate programme (including integrated Masters and foundation degrees) so please fill this section if this module will contribute to an undergraduate programme.					

	Key Inform	ation Set - Mo	odule data			
	Number of	credits for this	module		30	
	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	
	300	72	228	0	300	\bigcirc
	The table below constitutes a - Written Exam: I Coursework: W Practical Exam practical exam Please note that necessarily refle	Unseen writte ritten assignr : Oral Assess : this is the tot	en exam, open ment or essay sment and/or p tal of various t	book written , report, disse presentation, p ypes of asses	exam, In-class rtation, portfoli practical skills sment and wil	s test io, project assessment, I not
	of this module d	this module description: Total assessment of the module:				
	V	Written exam assessment percentage Coursework assessment percentage			0%	
	C				30%	
	P	Practical exam assessment percentage		70%		
					100%	
						· · · · · · · · · · · · · · · · · · ·
Reading Strategy	All students will be encouraged to make full use of the print and electronic resources available to them through membership of the University. These include a range of electronic journals and a wide variety of resources available through web sites and information gateways. The University Library's web pages provide access to subject relevant resources and services, and to the library catalogue. Many resources can be accessed remotely. Students will be presented with opportunities within the curriculum to develop their information retrieval and evaluation skills in order to identify such resources effectively.					
	This guidance wi information on B module/program	lackboard or				
Indicative	Reading will focu	us on using so	cientific resea	ch literature a	vailable:	
Reading List	 Through website, Scientific ejournals PNAS, C Journal o indexing 	the main scie e.g. Science c Journals are s A-Z link. Ex Current Opinic of Immunolog and abstract	entific databas Direct, Web c e mostly availa ample Journa on in Biotechn ly. Much jourr ing sources th	ses searchable of Science Pub able online via ls include: Nat ology, Journal nal content is '	e through the lo Med. the library we ure Biotechno of Experimen 'discoverable" subscribes to,	bsite's blogy, Science, tal Medicine,

Part 3: Assessment					
Assessment Strategy	 Component A is a single element consisting of a poster (+oral defence) presentation under controlled conditions. This component is designed to assess the student's ability to comprehend and present clearly a recently published research study in an area of biomedical science and to assess their knowledge of that area. Component B comprises two elements: (1) a review of a contemporary topic in biomedical research – designed to assess students' ability to research the literature, interpret and write about biomedical research. (2) a laboratory write-up based around a series of linked practical technical exercises – designed to assess students' practical competencies, data-handling and aptitude for research. 				

Identify final assessment component and element	A1			
% weighting between components A and B (Stand	A: 40	B: 60		
First Sit				
Component A (controlled conditions) Description of each element		Element v (as % of co		
1. Poster presentation (20 minutes)		10	00	
2.(etc)				
Component B Description of each element			Element weighting (as % of component)	
1. Review of a contemporary topic (1500 words	5)	5	0	
2. Laboratory assignment/report (1000 words)		5	0	

Resit (further attendance at taught classes is not required)			
Component A (controlled conditions) Description of each element	Element weighting (as % of component)		
1. Poster presentation	100		
2.(etc)			
Component B Description of each element	Element weighting (as % of component)		
1. Review of a contemporary topic (1500 words)	50		
2. Laboratory assignment/report	50		

If a student is permitted a retake of the module under the University Regulations and Procedures, the assessment will be that indicated by the Module Description at the time that retake commences.