



MODULE SPECIFICATION

Part 1: Information			
Module Title	Systems of Work in Science		
Module Code	USSJMV-15-M	Level	Level 7
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Health & Applied Sciences	Field	
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>Overview: Standardised working is very important to ensure results are of the highest quality, and to support the health and safety requirements of scientific settings. Documents that promote standardised working are called Systems of Work, and people that work in scientific settings need to be able to understand, write and review these.</p> <p>Educational Aims: This module will support students in developing the skills required to write and review Systems of Work in the laboratory or other scientific settings. This will include carrying out a literature review, writing a process in a clear and easy to follow manner, undertaking a health and safety assessment of the process, assessing the cost:benefit of the designed plan, and delivering a short training event to other students as a group of "mock" users.</p> <p>Outline Syllabus: Students will start by examining what Systems of Work are and their role in the science sector. They will then select a topic area and appropriate technique, relevant to their discipline, for which they will write a system of work. This will include a Health and Safety assessment of the proposed technical protocol, and a cost:benefit analysis that would enable a business case for purchasing equipment or consumables. The students will also practice their presentation skills by delivering a short technical training session to their peers.</p>

STUDENT AND ACADEMIC SERVICES

Teaching and Learning Methods: Students will have a high degree of autonomy to select areas of interest to them, within the remit of their specialist subject.

A series of tutorials will be delivered to teach the core concepts; students will be supported in undertaking the activities for the module in peer support groups facilitated by a member of academic staff.

Part 3: Assessment

The assessment is designed to mimic two authentic, "real-world" activities that are often carried out by scientists in a range of settings.

The report takes the form of producing a Systems of Work; a common activity for staff in laboratories, usually in roles that parallel HEI level 7.

The presentation takes the form of delivery of a training update; again a regular event in laboratories where it is a very common as part of the CPD of the workforce. They would usually be in the form of a short presentation with time to answer questions and this will be replicated in the assessment.

Assessments are supported by the underpinning tutorials, and the students will work in groups that will enable peer-support and formative feedback as they prepare their documentation. As an M level module there is an expectation that core skills around academic writing, literature reviewing and presentation skills are in place at a basic level and activities in Block 0 and other modules will also support this module.

First Sit Components	Final Assessment	Element weighting	Description
Report - Component B		75 %	A 3000 word report in the form of a "system of work"
Presentation - Component A	✓	25 %	15 minute presentation in the form of a technical briefing for peers - 10 minutes presentation with 5 minutes for questions
Resit Components	Final Assessment	Element weighting	Description
Report - Component B		75 %	A 3000 word report in the form of a "system of work"
Presentation - Component A	✓	25 %	15 minute presentation in the form of a technical briefing for peers - 10 minutes presentation with 5 minutes for questions

Part 4: Teaching and Learning Methods

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

Module Learning Outcomes	Reference
Developed a critical understanding of the rationale for and the processes behind the use of systems of work in the science sector	MO1
Developed their ability to adapt existing skills to a different activity. They will have adapted their existing academic researching and writing skills to a different output in the form of a System of Work.	MO2
Developed the knowledge and skills to refine fundamental presentation skills in order to deliver a professional presentation in the style of an interactive technical briefing for others	MO3

STUDENT AND ACADEMIC SERVICES

Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	
	114	
	Scheduled Learning and Teaching Hours:	
	Tutorials	6
	Workshops	30
	Total Scheduled Learning and Teaching Hours:	
	36	
Hours to be allocated		150
Allocated Hours		150
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://rl.talis.com/3/uwe/lists/BCBCE02D-1F38-0052-E2F2-AA689A836A43.html?lang=en-GB&login=1</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study: