



Module Descriptor

Title	Bio-Professional Practice		
Session	2024/25	Status	Published
Code	BIOL09011	SCQF Level	Level 9
Credit Points	20	ECTS (European Credit Transfer Scheme)	10
School	Health and Life Sciences		
Module Co-ordinator	Anne Crilly		
Summary of Module			
<p>Development of employability competences is seen as an essential component in the education of today's graduates. This module is intended as an alternative to the Work Based Learning module for those students for whom a work placement cannot be accommodated.</p> <p>The module will focus on the development of practical skills in terms of an investigation in a specific problem relevant to the student's programme of study.</p> <p>Competences will be delivered through a series of tutorials and case studies on a diverse range of topics including ethics, quality assurance practices, health and safety, and experimental design.</p> <p>Students will also develop a range of practical and /or intellectual skills through the investigation of an ethical topic appropriate to their chosen programme of study.</p> <p>The assessments of this module will take the form of a supported development of skills culminating in an integrated, comprehensive report on a practical-based investigation.</p> <p>This module will work to develop a number of the key 'I am UWS' Graduate Attributes to make those who complete this module:</p> <ul style="list-style-type: none">UniversalCritical ThinkerEthically-mindedResearch-mindedWork ReadyProblem-SolverEffective CommunicatorAmbitious SuccessfulAutonomousResilientDriven			

Module Delivery Method	On-Campus¹ <input checked="" type="checkbox"/>	Hybrid² <input type="checkbox"/>	Online³ <input type="checkbox"/>	Work -Based Learning⁴ <input type="checkbox"/>
Campuses for Module Delivery	<input type="checkbox"/> Ayr <input type="checkbox"/> Dumfries	<input checked="" type="checkbox"/> Lanarkshire <input type="checkbox"/> London <input type="checkbox"/> Paisley	<input type="checkbox"/> Online / Distance Learning <input type="checkbox"/> Other (specify)	
Terms for Module Delivery	Term 1 <input type="checkbox"/>	Term 2 <input checked="" type="checkbox"/>	Term 3 <input type="checkbox"/>	
Long-thin Delivery over more than one Term	Term 1 – Term 2 <input type="checkbox"/>	Term 2 – Term 3 <input type="checkbox"/>	Term 3 – Term 1 <input type="checkbox"/>	

Learning Outcomes	
L1	Apply quality assurances practices and principles, good experimental / survey design principles and health and safety (risk assessment) considerations.
L2	Discuss ethical considerations appropriate to the field of study
L3	Collect, analyse and present data in an appropriately professional manner
L4	Report comprehensively the topic under investigation to a professional standard
L5	NA

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	During completion of this module, there will be an opportunity to achieve core skills in:
Knowledge and Understanding (K and U)	SCQF 9 Students will have the opportunity to extend and refine their subject specific knowledge in particular contexts.
Practice: Applied Knowledge and Understanding	SCQF 9 Students will have the opportunity to refine practical competencies towards a professional standard, taking into account bias and inherent variability to establish reliable outcomes that may be used as the basis for making informed comparisons and their application in study of life science problems.
Generic Cognitive skills	SCQF 9 Students will produce a final report and presentation that will refine report writing and analytical skills.

¹ Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

² The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

³ Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

⁴ Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

Communication, ICT and Numeracy Skills	SCQF 9 Students will have the opportunity to enhance their communication, ICT and data handling skills through production of written reports, and presentations.
Autonomy, Accountability and Working with Others	SCQF 9 Students will be responsible for the production of reports based on practical work undertaken towards a professional standard, taking into account appropriate controls and standards, in a timely manner and organization of the necessary work, often undertaken in collaboration with team members.

Prerequisites	Module Code NA	Module Title NA
	Other NA	
Co-requisites	Module Code NA	Module Title NA

Learning and Teaching	
In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours. 48 hr	
Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	Student Learning Hours (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture / Core Content Delivery	28
Tutorial / Synchronous Support Activity	2
Laboratory / Practical Demonstration / Workshop	6
Asynchronous Class Activity	12
Independent Study	152
n/a	NA
TOTAL	200

Indicative Resources
The following materials form essential underpinning for the module content and ultimately for the learning outcomes: Online guides to scientific writing http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWgeneral.html www.hse.gov.uk

Successful Scientific Writing: a Step by Step Guide for Biomedical Scientists (2000) 2nd Ed., Mathews, Bowen, Mathews; CUP, ISBN 0-521-78962-1

Case Studies in Biomedical Research Ethics (2004) Murphy, Timothy. ISBN 0-262-63286-1

Resources on VLE

(N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements

In line with the [Student Attendance and Engagement Procedure](#), Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time.

For the purposes of this module, academic engagement equates to the following:

On campus attendance at all timetabled sessions (lectures / workshops, tutorials and practical classes), completion of all asynchronous activities, and submission of assessments to meet the learning outcomes of the module.

Equality and Diversity

The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: [UWS Equality, Diversity and Human Rights Code](#).

In line with current legislation (Equality Act, 2010) and the UWS Equality, Diversity, and Human Rights Code, our modules are accessible and inclusive, with reasonable adjustment for different needs where appropriate. Module materials comply with University guidance on inclusive learning and teaching, and specialist assistive equipment, support provision and adjustment to assessment practice will be made in accordance with UWS policy and regulations. Where modules require practical and/or laboratory based learning or assessment required to meet accrediting body requirements the University will make reasonable adjustment such as adjustable height benches or assistance of a 'buddy' or helper.

Please refer to the UWS Equality and Diversity Policy at the following link: UWS Equality and Diversity Policy - Equality, Diversity & Inclusion | UWS | University of the West of Scotland

(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

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Supplemental Information

Divisional Programme Board	Biological Sciences Health
Overall Assessment Results	<input type="checkbox"/> Pass / Fail <input checked="" type="checkbox"/> Graded
Module Eligible for Compensation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If this module is eligible for compensation, there may be cases where compensation is not permitted due to

	programme accreditation requirements. Please check the associated programme specification for details.
School Assessment Board	Biology L7-L11
Moderator	Richard Thacker
External Examiner	A Tsaousis
Accreditation Details	This module is part of the BSc (Hons) Biomedical Science programme; accredited by Institute of Biomedical Science (IBMS). This module is part of the BSc (Hons) Applied Bioscience and BSc (Hons) Applied Bioscience with Forensic Investigation programmes; accredited by Royal Society of Biology (RSB)
Module Appears in CPD catalogue	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Changes / Version Number	2.13 Module Coordinator Updated. Campus of delivery updated. Student Learning Hours updated. Accreditation statement updated For AY21-22 SAB (Subject Panel) name updated

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Class Test (unseen, closed book) based on the topic of Health & Safety, incorporating the analysis of case study examples
Assessment 2
Essay on the topic of ethics
Assessment 3
Laboratory report involving the completion of multiple practical sessions, analysis and accurate presentation of data collected, with comparisons to given standards. Development of scientific writing skills and exploration of the scientific literature will be assessed. The laboratory report will be supported through provision of materials online, support in class through laboratory sessions and tutorials.
(N.B. (i) Assessment Outcomes Grids for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Component 1							
Assessment Type	LO1	LO2	LO3	LO4	LO5	Weighting of Assessment Element (%)	Timetabled Contact Hours
Class Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	2

Component 2

Assessment Type	LO1	LO2	LO3	LO4	LO5	Weighting of Assessment Element (%)	Timetabled Contact Hours
Essay	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25	0

Component 3							
Assessment Type	LO1	LO2	LO3	LO4	LO5	Weighting of Assessment Element (%)	Timetabled Contact Hours
Lab Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50	0
Combined total for all components						100%	2 hours

Change Control

What	When	Who