Module Descriptor

Title	Professional Laboratory Training in BMS		
Session	2026/27	**Status**	Published
Code	BIOL09028	**SCQF Level**	9
Credit Points	40	**ECTS (European Credit Transfer Scheme)**	20
School	**Health and Life Sciences**		
Module Co-ordinator	Fraser Craig		

Summary of Module

The module represents the academic assessment of the NHS integrated clinical practice based placement. It is associated with completion of the IBMS Registration Portfolio which relates to the achievement of HCPC Standards of Proficiency for Biomedical Scientists. Gathering of information; use of assessment techniques; use of clinical investigations incl. diagnostic and monitoring procedures; analysis and evaluation of results / data; laboratory safety; record keeping (incl. confidentiality matters); quality assurance; ongoing analysis / review / refinement of practice; all to be appropriate to role of a practicing Biomedical Scientist. Record of competence to be maintained by student and signed off by Training Staff in laboratory. This to include detailed statements of competencies required for registration purposes achieved and evidence for these. To include presentation on one aspect of work undertaken – e.g. case study. Detailed operational matters will be agreed in advance with the laboratory training officers.

This module will work to develop a number of the key "I am UWS" Graduate Attributes to make those who complete the module.

Culturally aware.

Ethically-minded.

Emotionally intelligent

Effective communicator

Autonomous

Incisive

Effective communicator

Resilient

Module Delivery Method	On-Campus[1] ☐	Hybrid[2] ☐	Online[3] ☐	Work -Based Learning[4] ☒
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☒ Lanarkshire ☐ London ☐ Paisley	☐ Online / Distance Learning ☒ Other (specify) NHS Based Training Laboratory	

Terms for Module Delivery	Term 1	☐	Term 2	☒	Term 3	☐
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Demonstrate that have met HCPC standards of proficiency related to conduct, performance and ethics.
L2	Demonstrate practical competence in the range of professional practice elements required for HCPC registration in Biomedical Science.
L3	Present evidence of completion of the requirements of professional practice by means of a detailed suitable record of activities (Record of competence) undertaken during placement.
L4	
L5	

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** To develop detailed knowledge and understanding in a specialised area relevant to Biomedical Science. Knowledge and understanding of a range of relevant established analytical techniques.
Practice: Applied Knowledge and Understanding	**SCQF 9** Practice in a professional context specifically relevant to Biomedical Science (e.g. haematology, microbiology). Use skills, practices and techniques which are specialised and advanced.

[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

Generic Cognitive skills	**SCQF 9** Critically identify, define, conceptualize, and analyse complex/professional level problems and issues. Critically review and consolidate knowledge, skills and practices.
Communication, ICT and Numeracy Skills	**SCQF 9** Use a wide range of routine skills in addition to some advanced and specialised skills.
Autonomy, Accountability and Working with Others	**SCQF 9** Exercise autonomy and initiative and also work as part of a laboratory team. Exhibit awareness of responsibilities in a multi-user environment such as a laboratory. Work effectively with other staff. Adopt a professional code of conduct.

Prerequisites	**Module Code**	**Module Title**
	Other Co-requisites:- Also, availability of workplace experience either as an employee or as a short-term placement arrangement with a suitable biomedical science IBMS-accredited laboratory. Employer agreement is required to enable the module to be completed using workplace experience.	
Co-requisites	**Module Code** BIOL09029	**Module Title** Professional Practice in Biomedical Science

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. The major part of this module will be delivered within a laboratory placement setting to ensure that the required elements are delivered in a professional situation. Tutorial support will be available to supplement the placement experience. Initial guidance and final assessment elements will require the student's attendance at the University.	
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)
Work-based Learning	400
n/a	
n/a	
n/a	
n/a	
n/a	
TOTAL	400

Indicative Resources

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Biomedical Science Practice: Experimental and Professional Skills (Fundamentals of Biomedical Science) 3rd Edition. Glencross H., Ahmed N. & Wang Q. (2022), OUP, ISBN: 978-0198831228

An Introduction to Biomedical Science in Professional and Clinical Practice: Pitt S. J. & Cunningham J., Wiley-Blackwell, 978-0470057155

HCPC Guidance on conduct and ethics for students (2024). https://www.hcpc-uk.org/globalassets/resources/guidance/guidance-on-conduct-and-ethics-for-students.pdf

HCPC Standards of Proficiency for Biomedical Scientists (2023). https://www.hcpc-uk.org/globalassets/resources/standards/standards-of-proficiency---biomedical-scientists.pdf

Good Professional Practice and Conduct in Biomedical Science (2023): 1good-professional-practice-and-conduct-in-biomedical-science-2023.pdf

Information on relevant professional and regulatory body websites (HCPC, IBMS, UK NEQAS/CPA, MHRA, HTA)

Registration Portfolio Resources: https://www.ibms.org/education/onefile/

(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 attending and participating in all timetabled programme activities including on-campus and online teaching sessions, asynchronous online learning activities, placement, work-based elements, course-related learning resources, and complete assessments and submit these on time.

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

Attendance at synchronous sessions (module tutorials and supervisor meetings/tutorials), completion of asynchronous activities, and submission of assessments to meet the learning outcomes of the module. This module requires you to attend the placement provider.

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.

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

Supplemental Information

Divisional Programme Board	**Biological Sciences Health**
Overall Assessment Results	☒ **Pass / Fail** ☐ **Graded**
Module Eligible for Compensation	☐ **Yes** ☒ **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
Moderator	Richard Thacker
External Examiner	S Haliti
Accreditation Details	IBMS/ HCPC
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	4

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Workbook/ Laboratory notebook/ Diary/ Training log/ Learning log
Assessment 2
Assessment 3
(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**
Workbook/ Laboratory notebook/ Diary/ Training log/ Learning log	☒	☒	☒	☐	☐	100	0

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	0 hours

Change Control

What	When	Who
Changed to reflect new EE	22/11/2024	Fraser Craig
Indicative Resources	July 2025	F Menzies