



MODULE SPECIFICATION

Part 1: Information			
Module Title	Advanced Topics in Biomedical Science		
Module Code	USSJYR-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	Applied Sciences
Department	HAS Dept of Applied Sciences		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
Educational Aims: See Learning Outcomes Outline Syllabus: This module does not have a specific syllabus as it is taken by all students on the programme regardless of specialist discipline, therefore discipline content will build on the specialist module that the student is taking. The module does have a skills based syllabus outline that students will cover through linkage to their specialist discipline. Indicative skills include: Critiquing primary papers and review articles. Writing a case study report – showing an awareness of the role of all disciplines in the case study whilst highlighting the role of the discipline being majored in. Development of evidence based practice – for example through evaluating the role of a method in the discipline being majored in, or reviewing a standard operating procedure or standard diagnostic practice. Application of concepts from other modules to the discipline being majored in – for example uncertainty of measurement, professional expectations and behaviour, introductory management.

STUDENT AND ACADEMIC SERVICES

Development of presentation skills.

Development of reflective practice skills.

Teaching and Learning Methods: Scheduled teaching:

MSc Conference week – a one week intensive teaching period designed to mimic attendance at a scientific conference. Constitutes approximate 25 hours of scientific content delivery.

Skills focused workshops – approximately 10 hours of group tutorials introducing the key skills.

Discipline discussion tutorials – approximately 5 hours.

One-to-one guidance meetings – maximum of 1 hour per student spread throughout the module (probably 4X15 minutes – but with flexibility) to ensure that the module is genuinely primarily self-directed learning, but with support to check trajectory of students.

The learning is delivered through a mix of skills focused workshops, discipline centred discussion workshops, and one-to-one meetings between the student and subject specialist academic staff. Engagement with MSc BMS conference week material will also be essential to success in this module.

The module is essentially an independent learning module, but with guidance and support appropriate to the needs of the student throughout.

Part 3: Assessment

The MSc BMS Programme has a programme level assessment strategy (see Programme Specification appendix 1), and all modules have their assessments designed to relate to that document. For parity across all routes the specialist subject modules on the MSc BMS programme have a 50:50 weighting of course work to final exam – this module is one of the specialist modules. Therefore the coursework has been designed in line with the programme assessment strategy.

This module contains two assessments that are linked. A portfolio of activities, which includes both scientific writing activities, professional style activities, and reflective practice activities; and a poster presentation and oral defence (which is a core skill for biomedical science masters graduates).

The assessments are marked to the HAS standard PG marking criteria, and students are full briefed on the assessment both in writing and through a tutorial session. Students also develop several transferable skills during this assessment including negotiation (they work with their tutors during the development of the portfolio of activities), critiquing of published literature, scientific writing etiquette, and editing documents to a high editorial standard.

First Sit Components	Final Assessment	Element weighting	Description
Poster - Component A		30 %	20 minute poster presentation and oral defence
Portfolio - Component B	✓	70 %	Portfolio of activities
Resit Components	Final Assessment	Element weighting	Description
Poster - Component A		30 %	20 minute poster presentation and oral defence
Portfolio - Component B	✓	70 %	Portfolio of activities

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
	Identify their own learning needs and areas of subject interest and plan activities to address these needs and interests	MO1
	Demonstrate the ability to evaluate material related to the knowledge and practice of their specialist discipline	MO2
	Evidence presentation skills and reflective practice skills appropriate to their academic level	MO3
	Evidence a detailed understanding of self-selected areas of their specialist discipline	MO4
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	114
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	36
	Total Scheduled Learning and Teaching Hours:	36
	Hours to be allocated	150
	Allocated Hours	150
Reading List	The reading list for this module can be accessed via the following link:	
	https://uwe.rl.talis.com/modules/ussjyr-15-m.html	

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