



Module Specification

Current Issues in Biomedical Science

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Contents

Module Specification	1
Part 1: Information	2
Part 2: Description	2
Part 3: Teaching and learning methods	3
Part 4: Assessment.....	4
Part 5: Contributes towards	5

Part 1: Information

Module title: Current Issues in Biomedical Science

Module code: USSKL3-30-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Field: Applied Sciences

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: The module covers both the scientific topics that are of current concern, and also introduces policy and management topics that are relevant to the biomedical sector at this time. This recognises that biomedical science diagnostics

and research happens within the broader setting of the political and social structures of the United Kingdom.

The scientific topics will be related to current priority areas of government departments and agencies and funding bodies such the Medical Research Council, The Wellcome Trust, BBSRC, DiabetesUK, Alzheimer's Society or the British Heart Foundation.

The management topics to be covered will be those related to legislation pertaining to the sector, professional body requirements, laboratory facility standards, training and development, leadership styles and their impact in the workplace, and other topics identified as the course develops.

Part 3: Teaching and learning methods

Teaching and learning methods: This second-semester module adopts a student-centred approach which encourages and facilitates the adoption of an independent, self-directed learning style. It will be delivered as a series of key note lectures from which students select a topic to study further that relates to their chosen specialist subject. Tutorials support the students through the writing of their reviews and the preparation of their presentation: these activities build on those completed in first semester modules.

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

MO1 Critically appraise current literature in an area of interest within the student's specialist-subject

MO2 Discuss critically the role of research in furthering knowledge and understanding of a topic of the students choice

MO3 Develop further skills in written and oral communication relevant to an audience of peers and academics relevant to biomedical science

MO4 Show an awareness of the scientific and/or political/social factors that impact on the biomedical science research and diagnostics

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/9F67EA49-85B2-748E-1965-1AD781F78A83.html?lang=en-GB&login=1) via the following link <https://rl.talis.com/3/uwe/lists/9F67EA49-85B2-748E-1965-1AD781F78A83.html?lang=en-GB&login=1>

Part 4: Assessment

Assessment strategy: This module is one of the multidisciplinary modules - however students undertake the assessment in relation their chosen discipline.

Assessment 1 is a research critique on a current topic, related to those covered in the lecture series – this could be scientific, management or a combination of both. It is similar in style to a review article in a journal with strict editorial guidance to follow; in line with preparing a manuscript for publication.

Assessment 2 is a presentation again with a strict set of criteria designed to give students the practice of preparing a presentation under restriction to mimic the skills needed for professional scientific presentations. These are highly relevant assessments for higher level science graduates to have undertaken, preparing them for future academic style writing in the professional lives.

Students also develop several transferable skills during this assessment including negotiation (they are allowed to pick their own title and refine it), critiquing of published literature, scientific writing etiquette, and editing documents to a high editorial standard.

Assessment tasks:

Written Assignment (First Sit)

Description: Research critique (2500 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Presentation (First Sit)

Description: Presentation

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Written Assignment (Resit)

Description: Research critique (2500 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Presentation (Resit)

Description: Presentation

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Biomedical Science (Cellular Pathology) [Frenchay] MSc 2023-24

Biomedical Science (Clinical Biochemistry) [Frenchay] MSc 2023-24

Biomedical Science (Haematology) [Frenchay] MSc 2023-24

Biomedical Science (Immunology) [Frenchay] MSc 2023-24

Biomedical Science (Medical Genetics) [Frenchay] MSc 2023-24

Biomedical Science (Medical Microbiology) [Frenchay] MSc 2023-24

Biomedical Science [Frenchay] MSc 2023-24

Biomedical Science (Haematology) [Frenchay] MSc 2022-23

Biomedical Science [Frenchay] MSc 2022-23

Biomedical Science (Clinical Biochemistry) [Frenchay] MSc 2022-23

Biomedical Science (Medical Microbiology) [Frenchay] MSc 2022-23

Biomedical Science (Medical Genetics) [Frenchay] MSc 2022-23

Biomedical Science (Immunology) [Frenchay] MSc 2022-23

Biomedical Science (Cellular Pathology) [Frenchay] MSc 2022-23