



Module Specification

Research Project

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Part 1: Information

Module title: Research Project

Module code: USSJ6C-60-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 60

ECTS credit rating: 30

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Delivery locations: Not in use for Modules

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: All projects are designed by the students under academic supervision and are individualised. Projects will be assigned in a topic cogent to

students intended route of specialism. Students undertake research governance, project review and management, undertake data collection and analysis and report findings in a thesis format, which is then defended by a viva voce examination.

Part 3: Teaching and learning methods

Teaching and learning methods: The learning is delivered primarily on a one-to-one basis between the supervisor and their assigned student. The module is essentially an independent learning module, but with guidance and support appropriate to the needs of the student throughout. Students will receive appropriate training in the methods of their project, and relevant research governance by their supervisor, technical staff or other research staff as relevant to the activity.

Contact time will vary across the duration of the module – during the project design phase there will be meetings with their supervisors to discuss and plan the project, during the early phase of laboratory work there will be substantial contact between the student and appropriate staff to facilitate the learning of methods etc. Then contact will be likely to reduce as the student becomes familiar with their activities and acquires a degree of independence. During the writing up stage of the project students are likely to need more contact again to support the writing process.

Students are expected to undertake approximately 300 hours of practical research within this 60 credit module.

MSc Biomedical Science Programme:

Students on this programme are expected to undertake practical research within the laboratory and are supported by two underpinning modules. During USSJYS-15-M (Practical Skills for Biomedical Science) students will have spent time in the laboratory undertaking a range of practical exercise to demonstrate their basic laboratory competency; this module will also have given them an opportunity to practice writing a practical report of a similar structure to the project report. In USSJYT-30-M (Research and Diagnostic Methodologies) students will have looked at the theory that underpins many of the methods used in the projects offered at

UWE; this module also includes teaching of a range of statistics methods that will support students in undertaking the statistics on their project data. Additional support for statistics will also be available to students during their data analysis phase. USSJYT-30-M also covers other skills supportive of the project module including presentation skills and academic writing.

MSc Applied Transfusion and Transplantation Science Programme:

For students on the MSc Applied Transfusion and Transplantation programme the extended research project offers flexibility to utilise the expertise in their place of work, working alongside experts on cutting-edge projects. The module is underpinned by an earlier submission of a critical review within the Research Methodology and Statistics module, enabling feedback on written work to feed into subsequent project proposal, and the final project report. Similarly, feedback on performance during an oral presentation in Enterprise and Innovation will further develop students skills prior to the final viva voce. The project will also be heavily supported by the Research Methodology and Statistics module, which all students will undertake in the first semester, providing a foundation of key project management and analytical skills.

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

MO1 Demonstrate an in-depth understanding of the research process

MO2 Plan and perform an extended scientific investigation of a well-defined research problem

MO3 Demonstrate the ability to draw valid conclusions based on experimental observation

MO4 Critically discuss the significance and contribution of their project to existing published work

MO5 Demonstrate dynamic research project management as the project progresses

Hours to be allocated: 600

Contact hours:

Independent study/self-guided study = 300 hours

Face-to-face learning = 300 hours

Total = 600

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/1325D9F2-5CAB-9150-7FC9-0E7B939B5F34.html?lang=en-GB&login=1) via the following link <https://rl.talis.com/3/uwe/lists/1325D9F2-5CAB-9150-7FC9-0E7B939B5F34.html?lang=en-GB&login=1>

Part 4: Assessment

Assessment strategy: The assessment of this module has been designed to mimic the PhD process, enabling students to gain an experience of researching and reporting their research in the style that those who progress to a PhD will be required to do (albeit with shorter word counts and shorter viva durations).

Students also develop several transferable skills during this assessment including negotiation (they work with their supervisor during the design of the project), critiquing of published literature, scientific writing etiquette, and editing documents to a high editorial standard.

Assessment components:

Report (First Sit)

Description: Progression report

Weighting: 10 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Report (First Sit)

Description: Project report (5000 words) and associated viva voce examination (30 minutes)

75% of mark for report

25% of mark for viva voce

Weighting: 90 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Report (Resit)

Description: Progression report

Weighting: 10 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Report (Resit)

Description: Project report (5000 words) and associated viva voce examination (30 minutes)

75% of mark for report

25% of mark for viva voce

Weighting: 90 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

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

Applied Transfusion and Transplantation Science [Frenchay] MSc 2023-24

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 (Haematology) [Frenchay] MSc 2022-23

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

Applied Transfusion and Transplantation Science [Frenchay] MSc 2022-23