

LF905-80 MBio Research Project (In House)

20/21

Department

Life Sciences

Level

Taught Postgraduate Level

Module leader

Isabelle Carre

Credit value

80

Module duration

52 weeks

Assessment

100% coursework

Study location

Placement.

Description

Introductory description

LF905-80 MBio Research Project (Industrial Placement)

Module aims

The aim of this module is to provide students with professional research skills through an extended period of academic lab work.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Students will be offered projects based on ongoing research programmes within the host company. The student will have a discrete project and, after appropriate training, be involved in design, analysis and execution of all appropriate experimental work. The placement supervisors will be responsible for instruction and training on a day-to-day basis. The student will also have an academic supervisor, who will have dual roles, (i) to ensure that the project provides adequate

training for the student and (ii) to monitor the progress of the student through monthly discussions with the student and the placement supervisor.

Learning outcomes

By the end of the module, students should be able to:

- The module will allow the student to experience, first hand, research skills including hypothesis development, hypothesis testing, data collection, data handling, data evaluation and result presentation.
- As part of the project the student will present and discuss plans, data and outputs with group members and supervisor.

Indicative reading list

Project-specific.

Subject specific skills

By the end of the module the student should be able to collect and analyse data independently.

Transferable skills

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Study

Study time

Type	Required
Seminars	12 sessions of 1 hour (2%)
Project supervision	20 sessions of 1 hour (2%)
Private study	768 hours (96%)
Total	800 hours

Private study description

Research

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A1

	Weighting	Study time
Dissertation	60%	
Students will carry out an extended research project. The project will be designed to require students to develop and test hypotheses, and to collect, handle and critically evaluate data. The research may be either laboratory or field-based, or will involve Bioinformatic or Systems Biology analyses. Students will prepare a research thesis in which they will present their results in the context of the existing knowledge in the field.		
Oral Presentation	20%	
Students will give an oral presentation on their project as part of a mini-symposium.		
Project Performance	20%	

Feedback on assessment

Students will obtain feedback through individual discussions with their academic supervisor.

Dissertations and oral presentations will be marked independently by the academic supervisor and by one other member of academic staff within the department. The project performance mark will be allocated by the academic supervisor based on a questionnaire and discussion with the placement supervisor and discussions with the student and supervisor during the visit to the placement area. Feedback provided by the students' placement supervisor will inform the marking process but final marking decisions will remain with the academic department. Students' oral presentations will be recorded in order to make the presentations available to the external examiners.

Availability

Courses

This module is Core for:

- Year 4 of ULFA-C1A2 Undergraduate Biochemistry (MBio)
- Year 4 of ULFA-C1A1 Undergraduate Biological Sciences (MBio)
- Year 4 of ULFA-C1A3 Undergraduate Biomedical Science (MBio)