

Liverpool John Moores University

Title: RESEARCH PROJECT
Status: Definitive
Code: **6201NATSCI** (122193)
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
Robbie Rae	Y

Academic Level: FHEQ6
Credit Value: 40
Total Delivered Hours: 133
Total Learning Hours: 400
Private Study: 267

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	1
Practical	110
Tutorial	22

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Project plan, to include a literature review of research undertaken to date in the field	15	
Report	AS2	Report in the form of a publication of research undertaken for the research project	70	
Presentation	AS3	Viva with first and second marker of the project report	15	

Aims

To provide the student with the experience of planning, time-managing and investigating a research topic in an appropriate manner under the guidance of an academic tutor. The findings will be presented in the form of a written report and viva.

Learning Outcomes

After completing the module the student should be able to:

- 1 Research the scientific literature associated with the research programme; extract and appropriately present relevant background information.
- 2 Design and execute an appropriate research strategy demonstrating effective project planning and the ability to work consistently and reliably.
- 3 Present and objectively analyse data/information using appropriate statistical/analytical techniques
- 4 Select, highlight and critically evaluate the relevance and implications of the major findings in relation to other published studies
- 5 Conduct a risk assessment, apply ethics and 'good laboratory practice (GLP)' to the collection of data.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Project Plan/Literature Review	1	2	5
Project Report	3	4	5
Viva	4		

Outline Syllabus

This module is a self-directed project module with tutorial guidance as required. It provides an opportunity for students to independently develop and demonstrate project planning, time-management, and organisational inter-personal skills, along with scientific and practical working methods in a research or applied context. The project will be in any area appropriate to the student's programme of study and students will be allowed a choice of topic, subject to the approval of both the module leader and the appropriate subject leader.

Learning Activities

Appropriate titles will be determined by discussion between the module leader, individual tutors and individual students. Projects may take a variety of forms ranging from a laboratory or field-based investigation through to the development of extended project design or an interpretative or management plan; reports consisting of a critical evaluation of published material are acceptable when it is not possible for a student to research that topic directly but such reports must contain evidence of

novel analysis of available information. Where applicable (e.g. for many field studies) students will be encouraged to liaise with an appropriate outside organisation. A substantial written report and an oral presentation in the form of a viva are produced.

Notes

The Research Project allows students to demonstrate their ability to plan, time-manage and carry out practical research and to present their findings as a scientific report.