Liverpool John Moores University

Title:	SKILLS AND PERSPECTIVES IN SCIENCE 1
Status:	Definitive
Code:	**3401FNDSCI** (121960)
Version Start Date:	01-08-2021
Owning School/Faculty:	Biological and Environmental Sciences
Teaching School/Faculty:	Biological and Environmental Sciences

Team	Leader
Mark Feltham	Y

Academic Level:	FHEQ3	**Credit Value:**	20	**Total Delivered Hours:**	60
Total Learning Hours:	200	**Private Study:**	140		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	33
Tutorial	5
Workshop	22

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	Test	Phase Test on Perspectives	40	
Portfolio	Data	Portfolio of Data Presentation Skills	60	

Aims

To enable students to develop a range of academic, research and transferable skills related to their programme of study.

To cover a selection of topical subjects in biology, chemistry and related areas of natural sciences.

Learning Outcomes

After completing the module the student should be able to:

1	Demonstrate an understanding of selected topical issues in biology, chemistry and other natural sciences.
2	Recognise scientific approaches and how to apply them in order to solve problems.
3	Convert raw data to results, apply appropriate descriptive statistics and present data in suitable graphical and tabular form.
4	Demonstrate familiarity with basic IT software to produce documents, spreadsheets and presentations of an appropriate standard.

Learning Outcomes of Assessments

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

Phase Test on Perspectives	1		
Data Analysis Portfolio	2	3	4

Outline Syllabus

A series of lectures in chemistry, biology and other natural science topics. The range of subjects
covered will be varied to reflect the interests of individual staff members.
Written communication: report writing, reviewing scientific literature
Numerical reasoning: data handling and presentation (e.g. graphs, maps, databases) and descriptive statistics (normality testing, mean, SD, median and mode, etc.).
Logs, mathematical functions, formulae.
Information literacy & ICT skills: Canvas, tabulation, graphics, email, internet, images, hyperlinks, presentation software, SPSS.

Learning Activities

This module will be delivered using a combination of lectures, workshops & tutorials.

Notes

This module aims to develop the basic knowledge and research skills of students on Natural Science programmes. Areas covered include scientific perspectives, writing, data handling and statistical analysis.