

Liverpool John Moores University

Title: METHODS SKILLS AND CAREERS 1
Status: Definitive
Code: **4301NATSCI** (121162)
Version Start Date: 01-08-2021

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

Team	Leader
Ian Walkington	Y
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Academic Level: FHEQ4 **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	12
Off Site	14
Practical	26
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Quantitative Data Analysis Portfolio	90	
Future Focus e-learning task	Self-aware	Self awareness and personal development reflection	10	

Aims

To provide students with practical experience in the methods employed by geographers to collect, statistically analyse, present and interpret primary and secondary data. To develop quantitative and qualitative practical skills, as well as observational skills. To introduce students to self reflection on personal and academic development

Learning Outcomes

After completing the module the student should be able to:

- 1 utilise quantitative and qualitative skills in the statistical analysis and interpretation of data
- 2 Synthesise the results of data analysis and utilise written and oral presentations to communicate findings
- 3 Collect, analyse and interpret field data
- 4 Reflect upon self awareness and personal and professional development

Learning Outcomes of Assessments

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

Quantitative Data Analysis	1	2	3	4
Self Awareness Statement	4			

Outline Syllabus

Fieldwork to develop skills in observation and data collection:

Practical field skills including qualitative and quantitative data collection and recording. Data acquisition, display and analysis and communication.

Fundamental statistical techniques, including descriptive statistics (Averages and measures of dispersion; Distributions and percentiles) & analytical statistics.

Qualitative techniques.

Small Group Tutorials to develop essential study skills.

Learning Activities

Lectures, practical workshops, tutorials and fieldwork

Notes

This module includes a field trip to develop field based data generation skills; data

will be generated for use in subsequent statistical skills development