

## Liverpool John Moores University

Title: METHODS IN GEOGRAPHY  
 Status: Definitive  
 Code: **4108NATSCI** (120202)  
 Version Start Date: 01-08-2015

Owning School/Faculty: Natural Sciences & Psychology  
 Teaching School/Faculty: Natural Sciences & Psychology

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**Academic Level:** FHEQ4      **Credit Value:** 24.00      **Total Delivered Hours:** 72.00

**Total Learning Hours:** 240      **Private Study:** 168

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	12.000
Off Site	30.000
Practical	20.000
Tutorial	10.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Quantitative Data Analysis Report	30.0	
Presentation	Pres	Qualitative Data Analysis Presentation	20.0	
WoW Skills Bronze	WOW	Reflection on WOW Bronze	10.0	

Category	Short Description	Description	Weighting (%)	Exam Duration
Reflection	Notebook	Field Notebook	40.0	

## Aims

*To provide students with practical skills in the methods used by geographers to collect, statistically analyse, present and interpret primary and secondary data. Quantitative and qualitative practical skills, as well as observational skills, will be acquired through a mixture of fieldwork, computer practical classes and tutorials. The ability to reflect on personal and academic development will also be provided.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Develop quantitative and qualitative skills in the statistical analysis and interpretation of data
- 2 Develop skills in synthesising results and presenting them through written and oral communication
- 3 Collect, analyse and interpret field data
- 4 Identify and reflect upon aspects of personal and academic development

## Learning Outcomes of Assessments

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

Quantitative data analysis	1	2
Qualitative data presentation	1	2
WOW Bronze reflection	4	
Field notebook	3	

## Outline Syllabus

*Data acquisition, display and analysis:*

*Types of data; Collecting samples.*

*Descriptive statistics: Averages and measures of dispersion; Distributions and percentiles*

*Analytical statistics: T-test; Chi-Square; Spearman's Rank; Pearsons; Regression and Prediction.*

*Qualitative techniques: Questionnaire design; Questionnaire coding and statistical analysis; Interview design; Transcribing; Archival research.*

*Small Group Tutorials to develop essential study skills:*

*Plagiarism and referencing; Writing field reports; Excel and Numeracy; Posters and presentations; Essay writing; Discussion; Observations and sketching; Environmental Chemistry; Stats overview; Module choices.*

*Fieldwork to develop skills in observation and data collection:*

*Practical field skills in both physical and human geography, including observations, sketching, qualitative and quantitative data collection and recording. Techniques include GPS mapping; Microclimate measurement; Soil augering and description; Sediment coring using gouge augers; Sediment description and clast analysis; Sedimentary logging; Infiltration measurement; River discharge measurement; Landscape sketching and Levelling.*

## **Learning Activities**

Lectures, practical workshops, tutorials and fieldwork

## **Notes**

This module includes a week-long residential field trip.