

Liverpool John Moores University

Title: SURVEY, MAPPING AND FIELD SKILLS
Status: Definitive
Code: **7111NATSCI** (123682)
Version Start Date: 01-08-2020

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

Team	Leader
Serge Wich	Y

Academic Level: FHEQ7
Credit Value: 30
Total Delivered Hours: 60
Total Learning Hours: 300
Private Study: 240

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Off Site	48
Seminar	6
Workshop	6

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Field rpt	Field report	50	
Presentation	Poster	Poster Presentation Pre-FW	50	

Aims

To understand and apply theoretical, practical, and analytical skills in primatological or other wildlife fieldwork, with particular emphasis on how to census animals using line transects, build digital data-collection tools using open-access software, map the spatial distribution of findings for spatial analyses, present findings in a professional context, and employ these techniques in a field setting.

Learning Outcomes

After completing the module the student should be able to:

- 1 Plan a scientific study that addresses a gap in current knowledge
- 2 Apply analytical tools to assess species distribution and density;
- 3 Synthesize observational behavioural data and/or assess resource distribution for wild primates using software platforms;
- 4 Evaluate, interpret and present data from an independent field project that relies on the successful use of practical skills with reference to primate behaviour and/or conservation;

Learning Outcomes of Assessments

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

Field report	3	4
Project poster	1	2

Outline Syllabus

- o Building data collection forms in Open Data Kit;*
- o Assessing population densities via DISTANCE;*
- o Mapping results in ArcGIS;*
- o Applying practical (observational, technological, and analytical) skills in the field;*
- o Presenting results in two mediums: poster and report;*

Learning Activities

This module is delivered through a combination of seminars, workshops, off-site practicals and a residential overseas field trip.

Notes

This module will give students a thorough understanding of research design, especially in the application of important tools and methods for data collection of wild animals.