# Module Proforma

**Approved, 2022.02**

## Summary Information

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|---|---|
| **Module Code** | 7111NATSCI |
| **Formal Module Title** | Survey, Mapping and Field Skills |
| **Owning School** | Biological and Environmental Sciences |
| **Career** | Postgraduate Taught |
| **Credits** | 30 |
| **Academic level** | FHEQ Level 7 |
| **Grading Schema** | 50 |

## Module Contacts

### Module Leader

| Contact Name | Applies to all offerings | Offerings |
|---|---|---|
| Christine Beardsworth | Yes | N/A |

### Module Team Member

| Contact Name | Applies to all offerings | Offerings |
|---|---|---|
| Serge Wich | Yes | N/A |

### Partner Module Team

| Contact Name | Applies to all offerings | Offerings |
|---|---|---|

## Teaching Responsibility

| LJMU Schools involved in Delivery |
|---|
| Biological and Environmental Sciences |

## Learning Methods

| Learning Method Type | Hours |
| --- | --- |
| Off Site | 48 |
| Seminar | 6 |
| Workshop | 6 |

## Module Offering(s)

| Offering Code | Location | Start Month | Duration |
| --- | --- | --- | --- |
| JAN-CTY | CTY | January | 12 Weeks |

## Aims and Outcomes

| Aims | To understand and apply theoretical, practical, and analytical skills in wildlife fieldwork, with particular emphasis on how to census animals, build digital data-collection and analyses tools using open-access software, map the spatial distribution of findings for 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:**

| Code | Description |
| --- | --- |
| MLO1 | Justify a scientific study based on a critical exploration of the literature |
| MLO2 | Apply and justify the use of specific software to collect, analyse, and display spatial data for a scientific study |
| MLO3 | Synthesize observational behavioural data and/or assess resource distribution for wild animals using software platforms; |
| MLO4 | Evaluate, interpret and present data from an independent field project that relies on the successful use of practical skills with reference to animal behaviour and/or conservation; |

## Module Content

| Outline Syllabus |
| --- |
| o Building data collection forms;o Assessing population densities;o Mapping results in GIS;o Applying practical (observational, technological, and analytical) skills in the field;o Presenting results in two mediums: poster and report; |

**Module Overview**

This module will give you a thorough understanding of research design, especially in the application of important tools and methods for data collection of wild animals. It aims to: help you understand and apply theoretical, practical, and analytical skills in primatological or other wildlife fieldwork; provide particular emphasis on how to census animals using line transects and build digital data-collection tools using open-access software; enable you to map the spatial distribution of findings for spatial analyses, present findings in a professional context, and employ these techniques in a field setting.

* Practical and field activities underpin all programmes in the school. PPE and access to specialist facilities are provided for all necessary practical work. There are no additional costs for any day field trips. This programme includes a core residential field trip, which may be in the UK or an international destination, subject to Covid-related national and international travel restrictions. Travel, accommodation and site costs are included in the course fees. You will be required to meet other potential costs, such as field clothing, visas and immunisations if required.

**Additional Information**

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.

## Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Learning Outcome Mapping |
|---|---|---|---|---|
| Report | Field report | 50 | 0 | MLO3, MLO4 |
| Presentation | Project poster | 50 | 0 | MLO1, MLO2 |