

## Research Methods

### Module Information

2022.01, Approved

#### Summary Information

Module Code	5501YAUGEN
Formal Module Title	Research Methods
Owning School	Sport and Exercise Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

#### Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

#### Partner Teaching Institution

Institution Name
Yunnan Agricultural University

#### Learning Methods

Learning Method Type	Hours
Lecture	20
Seminar	10
Workshop	10

#### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

## Aims and Outcomes

Aims	Module Aims The following modules are designed to provide you with an understanding of different types of research approaches and methods that are relevant to your area of study and degree programme. The tools and techniques taught in these modules will contribute to developing your research and critical analysis skills needed across the programme.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Select an appropriate study design for a given scientific study
MLO2	2	Choose appropriate methods to statistically analyse data
MLO3	3	Interpret analysis produced by a computer-based statistical package
MLO4	4	Complete, analyse and report a discipline specific research task

## Module Content

Outline Syllabus	Introduction to research methods Building on skills developed in the Fundamentals of Scientific Research module in Level 4, this introduction will expand on student knowledge in the discipline of research methods. Research Skills 1: To develop understanding of fundamental concepts in experimental design, the properties of data, how to handle and manipulate data and the essentials of rigorous statistical analysis, using statistical software such as SPSS. Research Skills 2 Using techniques learnt, you will be required to carry out and write up a subject specific scientific paper adopting the methods and practices highlighted in other modules. Clear guidance and structure of the report will be provided in subsequent documents aimed at supporting student learning.
Module Overview	
Additional Information	Students are expected to engage in sessions as well as undertake self-directed learning activities

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Reflection	Research Report	100	0	MLO3, MLO2, MLO1, MLO4

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Nicola Robinson	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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