

Liverpool John Moores University

Title: Research Methods
Status: Definitive
Code: **5501YAUGEN** (127943)
Version Start Date: 01-08-2021

Owning School/Faculty: Sport and Exercise Sciences
Teaching School/Faculty: Yunnan Agricultural University

Team	Leader
Nicola Rowley	Y

Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 40
Total Learning Hours: 200 **Private Study:** 160

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	20
Seminar	10
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	research report	100	

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.

Learning Outcomes

After completing the module the student should be able to:

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

Learning Outcomes of Assessments

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

Research Report	3	2	1	4
-----------------	---	---	---	---

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.

Learning Activities

Course outline

Teaching and learning methods include lectures, seminars and workshops. The taught component of the module explores a range of issues associated with research methods:

Specific examples of the types of issues to be discussed include:

- Quantitative and Qualitative RM
- Data Evaluation
- Report writing

Notes

Students are expected to engage in sessions as well as undertake self-directed learning activities