

Research Methods 2

Module Information

2022.01, Approved

Summary Information

Module Code	5104SPOSCI
Formal Module Title	Research Methods 2
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
Sport and Exercise Sciences

Learning Methods

Learning Method Type	Hours
Lecture	19
Practical	7
Tutorial	5
Workshop	12

Module Offering(s)

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

Aims and Outcomes

Aims	The module aims to develop an understanding of the key issues and concepts underpinning different types of research. This will include a development of both quantitative and qualitative research methods as well as data analysis procedures.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Evaluate research design and methods.
MLO2	2	Apply and interpret data analysis approaches and procedures.

Module Content

Outline Syllabus	Strategies of research: qualitative, descriptive and experimental. Validity and reliability of research methods. Advanced statistical procedures. Ethics and informed consent.
Module Overview	This module aims to develop an understanding of the key issues and concepts underpinning different types of research. This will include a development of both quantitative and qualitative research methods, as well as data analysis procedures.
Additional Information	The module aims to develop an understanding of the key issues and concepts underpinning different types of research. This will include a development of both quantitative and qualitative research methods as well as data analysis procedures. The Association for Nutrition (AfN) competencies covered in this module include: CC1l - Ability to plan, conduct, analyse and report on investigations into an aspect of nutrition in a responsible, safe and ethical manner. CC1m - Ability to carry out sample selection and to ensure validity, accuracy, calibration, precision, replicability and highlight uncertainty during collection in accordance with the basic principles of good clinical practice. CC1n - Ability to obtain, record, collate, analyse, interpret and report nutrition-related data using appropriate qualitative and quantitative research and statistical methods in the field and/or laboratory and/or intervention studies, working individually or in a group, as is most appropriate for the discipline under study. CC1o - Prepare, process, interpret and present data, using appropriate qualitative and quantitative techniques, statistical programmes, spreadsheets and programs for presenting data visually. CC1p - Health research methods, dietary nutrition methodologies and nutritional epidemiology for either human or animal systems. The BASES Undergraduate Endorsement (BUES) criteria covered in this module include: 4.1.1 The value of research, and principles & applications of scientific enquiry. 4.1.2 Appropriate research ethics & governance training. 4.1.3 A range of qualitative and quantitative research methodologies. 4.1.4 Use of appropriate data analysis & visualisation techniques. 4.1.5 Evidence-based practice and evaluation.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Artefacts	Portfolio	50	0	MLO1, MLO2
Centralised Exam	Examination	50	1.5	MLO1, MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
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Dave Harriss	Yes	N/A
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Partner Module Team

Contact Name	Applies to all offerings	Offerings
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