

Liverpool John Moores University

Title: RESEARCH SKILLS 2
Status: Definitive
Code: **5011SPOSCI** (117535)
Version Start Date: 01-08-2019

Owning School/Faculty: Sport and Exercise Sciences
Teaching School/Faculty: Sport and Exercise Sciences

Team	Leader
David Harriss	Y
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Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 55
Total Learning Hours: 240 **Private Study:** 185

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	38
Practical	5
Tutorial	1
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Lit Review	Lit review	33	
Exam	SPSS	Statistical Analysis	34	1
Test	critique	Evaluation of research design	33	2

Aims

This module aims to prepare students for their Major Project at Level 6. It aims to develop student skills in information retrieval and critical appraisal and create 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.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate research design.
- 2 Justify, apply and interpret data analysis procedures
- 3 Evaluate specific scientific literature.

Learning Outcomes of Assessments

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

Lit review	3
Statistical Analysis	2
Evaluation of research design	1

Outline Syllabus

The nature of scientific inquiry and the research process.

Problem identification.

Critical analysis of scientific material

Strategies of research: qualitative, descriptive, and experimental.

Validity and reliability of research methods.

Advanced statistical procedures (e.g. ANOVA, Multiple Regression)

Ethics and informed consent.

The research proposal.

Learning Activities

Students receive lectures on all topics covered in the module. Lectures will be supported by workshop and practical sessions where appropriate.

Notes

This module will provide practical and theoretical skills that will underpin the production of a research proposal and the completion of the research in the final year major project module. Content and assessments are directed to supporting student's ability to select a topic, investigate, critically appraise, analyse data and present information. Other issues include a consideration of ethical topics.