

## Liverpool John Moores University

Title: Research Design  
Status: Definitive  
Code: **5505SPOSCI** (129570)  
Version Start Date: 01-08-2021

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

Team	Leader
Ceriann Magill	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
Practical	20

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	You are to produce a 10-minute paired poster presentation based on a research question of your choice.	50	
Report	AS2	Produce a research proposal that outlines research questions that are a result of a comprehensive review of literature and propose how these questions may be answered using aligned research methodology and data analysis methods.	50	

## **Aims**

*This module will develop students' understanding of a range of research methodologies and methods typically used within social science research. Students will create a research project proposal that will prepare them for further research study in level 6.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Explain methodological approaches to social science research
- 2 Design and plan a research proposal
- 3 Analyse and evaluate the use of teaching and learning and assessment resources in physical education across the phases of learning

## **Learning Outcomes of Assessments**

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

Poster Presentation	1	2	3
Research Proposal	1	2	3

## **Outline Syllabus**

*Literature and synthesis*

*Ontology and epistemology*

*Research methodology and methods*

*Data collection and analysis*

*Construction and production of a project proposal*

## **Learning Activities**

This module is taught through lectures, seminars, practical and tutorials and will link to the core modules. The project proposal will also prepare students for a larger-scale research study in level 6. Students will be guided in the use of directed reading, systematic literature search and critical review procedures. Students will gain skills in both quantitative and qualitative analysis procedures through lecture and practical small-group tutorial sessions. Practical tutorials will provide students with the opportunity to work on mock-data sets, produce analysis and receive feedback on the analysis to provide real-world understanding of important design considerations to inform their proposal. Practical tutorials will also provide students with the opportunity to explore a range of data collection procedures on peers. In the

written report, students will produce an individual research proposal. Students will engage with a research supervisor to support the development of appropriate research hypotheses and research study design based on extensive literature review. Students will be guided in learning ethical considerations for conducting research involving human participants. Students are presented with opportunities to gain peer and lecturer formative feedback on their projects within small group seminar sessions and individual supervisory meetings that take place throughout the module.

## **Notes**

This module is complete in semester 2. This module provides students an opportunity to apply the taught and guided learning knowledge and skills to prepare a comprehensive research proposal relevant to a undergraduate level physical education. The module will include guided learning through fundamental elements of qualitative and quantitative research design, research methods and ethics procedures. Students will develop systematic literature review skills and further develop academic writing skills through small-group tutorials. Students will engage with research supervisors throughout the module to develop their research proposal. Students' knowledge and skills will be assessed through completion of individual assignments (i.e. independent study tasks and small-group practical activities). Students are presented with opportunities to gain peer and lecturer formative feedback on their assessment within small group seminar sessions and individual tutor meetings that take place throughout the module.