

Module Information

2022.01, Approved

Summary Information

Module Code	7515SPOSCI
Formal Module Title	Research Methods for Sports Performance Analysis
Owning School	Sport and Exercise Sciences
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Portobello Institute

Learning Methods

Learning Method Type	Hours
Lecture	24
Seminar	10
Tutorial	12

Module Offering(s)

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

Aims and Outcomes

Aims	The module aims to provide students with theoretical knowledge and applied skills needed for planning, organisation, and practice of research in sports performance analysis. Students will utilise available academic resources effectively to prepare and plan a research project. Students will manage a research project proposal process including ethics applications, write in a scientific manner, and demonstrate written and statistical literacies appropriate to the sub-discipline in sports performance.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Formulate a novel research proposal at the forefront of their academic discipline and demonstrate critical scientific writing skills
MLO2	2	Demonstrate competence in research ethics processes and procedures when undertaking research involving human subjects.
MLO3	3	Identify and critically evaluate a range of statistical skills and techniques, showing a comprehensive understanding of their use, applicability, and faults.

Module Content

Outline Syllabus	Introduction to statistical methods, and examination of already published data to examine concepts of validity/reliability. Fundamentals of research proposal writing, the project process, managing the project and the supervision process. Understanding of ethical processes Approaches to the dissemination of project output Advanced data handling and processing skills for large projects Application and use of Bibliographical academic referencing software Consideration and exploration around presenting data: Poster design Consideration and exploration around journal publishing Consideration and exploration data analysis techniques Consideration and exploration of analysis software
Module Overview	
Additional Information	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 master's level in sports performance analysis. 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 semester to develop their research proposal. Students' knowledge and skills will be assessed through completion of individual assignments. 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 semester.

Assessments

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

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sigrid Olthof	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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