Liverpool John Moores University

Title:	RESEARCH SKILLS 1
Status:	Definitive
Code:	**4012SPOSCI** (117531)
Version Start Date:	01-08-2013
Owning School/Faculty:	Sports Sciences
Teaching School/Faculty:	Sports Sciences

Team	Leader
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Academic Level:	FHEQ4	**Credit Value:**	24.00	**Total Delivered Hours:**	61.00
Total Learning Hours:	240	**Private Study:**	179		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	30.000
Practical	14.000
Tutorial	2.000
Workshop	14.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	SPSS Exam		40.0	1.00
Portfolio	Portfolio		35.0	
Test	Maths test		25.0	

Aims

The module aims to introduce students to fundamental research methods and skills relevant to the Sport and Exercise Sciences.

Learning Outcomes

After completing the module the student should be able to:

1	Construct a search strategy to meet an information need appropriate to sport and exercise.
2	Apply the principles of scientific communication to presentations.
3	Apply and manipulate elementary mathematical functions and techniques to sport and exercise settings
4	Apply, interpret and report a variety of statistical tests to common problems in sport, and exercise science

Learning Outcomes of Assessments

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

SPSS exam	4	
Scientific Communication Skill	1	2
Maths test	3	

Outline Syllabus

Basic study skills and Personal Development Planning.
Introduction to the nature of research
Introduction to the nature of scientific writing and presentation.
Subject software, Word, Excel, PowerPoint, SPSS
Library skills (e.g., searching databases)
Simple mathematical expressions and functions
Exploring and summarizing data
Statistical Analysis (e.g., Difference testing, correlation)

Learning Activities

Lectures are given on personal development planning, the nature of research, and data analysis. Students have tutorial time with their personal tutor to practice scientific communication skills. Students are taught how to use relevant computer software packages in tutor led practical sessions. Workshops are used to teach basic maths skills.

References

Notes

This module aims to provide you with opportunity to acquire the necessary skills required to undertake assignments and research in the areas of sport and exercise. The module also provides you with some of the basic principles and activities required for Personal Development Planning.