

Module Code:	SIR501
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Module Title:	Investigating the Evidence Base
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Level:	5	Credit Value:	20
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Cost Centre(s):	GACM	<u>JACS3</u> code:	C630
		<u>HECoS</u> code:	100475

Faculty	Social and Life Sciences	Module Leader:	Daniel Morris
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Scheduled learning and teaching hours	30 hrs
Guided independent study	170 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
BSc (Hons) Rehabilitation and Injury Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pre-requisites

Office use only

Initial approval: 14/02/2019

Version no: 1

With effect from: 23/09/2019

Date and details of revision: 05/05/20 – updated derogation
27/09/2021 updated module leader

Version no: 3

Module Aims

The aims of the module are:

1. To develop students' knowledge and understanding of evidence-based practice and its relevance to sports injury management and rehabilitation.
2. To equip students with the ability to investigate the evidence base.
3. To motivate students to engage with a variety of research methods.
4. To enable students to produce a proposal for an extended literature review to assist them at Level 6 with the Research Proposal module.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Discuss the use of different methods and methodologies for specific questions and areas of practice.	KS1	KS2
		KS3	KS4
		KS6	KS9
2	Differentiate between sampling procedures and their statistical relevance, including the concept of research ethics and codes of practice.	KS1	KS3
		KS4	KS6
		KS7	KS9
3	Examine different statistical tests and statistical packages to analyse and interpret data, including methods of data presentation.	KS1	KS3
		KS4	KS6
		KS9	KS10

Transferable skills and other attributes

Competent numeracy skills Interpretation skills

Competent and confident discussion and debating skills Critical thinking skills

Demonstrate an awareness of ethical frameworks

Derogations

Students may not proceed from Level 5 to Level 6 without a pass mark specifically for module SIR501- Investigating the Evidence Base. Students will require a pass grade in this module to enable them to move on to all Level 6 modules and offer robust preparation for the SIR604 Research Proposal module. This new derogation is necessary due to observed challenges with previous student progress when the Level 5 research module is not completed.

Assessment:

Indicative Assessment Tasks:

Assessment One: An assignment that will require students to present a research proposal.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1-4	Poster Presentation	100%	20 mins

Learning and Teaching Strategies:

The module will be developed through a range of teaching strategies including: Presentations, seminars, lectures, directed study, IT workshops, group work and the individual student experience. Moodle will act as a repository for session materials and supplementary resources.

Syllabus outline:

Research design; Levels of data. Data collection methods.

Experimental research - Hypothesis, Sampling, Variables, Experimental designs.

Questionnaires - Design, Reliability, Validity, Sampling.

Statistics in research - Probability, Descriptive statistics, Inferential statistics. Qualitative research - Methodologies, Qualitative data analysis, Reliability, Validity. Systematic Literature Reviewing- SPSS and data analysis.

Data presentation and discussion of findings.

Developing research questions and selecting appropriate design. Ethical research proposal.

Critiquing published research. Utilisation of research in practice. Developing a research proposal.

Indicative Bibliography:

Essential reading

Aveyard, H. (2014), *Doing a literature review in health and social care*. 3rd ed. Maidenhead: OUP Press

This book is available as an E-book. You will need to log onto Athens in order to access it. It should also be available in the University library, Edward Llwyd Building, Main campus.

Davies, M. (2014) *Doing a successful research project: using qualitative or quantitative methods*. 2nd Ed. Basingstoke: Palgrave Macmillian.

Harvey, G & Kitson, A. (2015) *Implementing Evidence Based Practise in Healthcare. A Facilitation Guide*, Routledge

Other indicative reading

Adams, J., (2007), *Researching complementary and alternative medicine*. London: Routledge
This book is available as an E-Book. You will need to log onto Athens to access it. It should also be available in the Edward Llwyd Building, Main Campus.

Saks, M. and Allsop, J., (2012), *Researching health: qualitative, quantitative and mixed methods*. 2nd ed. London: Sage Publications.

This book should be available in the University Library, Edward Llwyd Building, Main Campus