

<b>Module Title:</b>	Applied Research in Sport and Health
<b>Language of Instruction:</b>	English
<b>Credits:</b>	5
<b>NFQ Level:</b>	8
<b>Module Delivered In</b>	<a href="#">3 programme(s)</a>
<b>Teaching &amp; Learning Strategies:</b>	This module will be delivered through two lectures of one-hour duration and two practical classes of one-hour duration, each week for 12 weeks. The lectures will include group discussion, and interactive tasks alongside PowerPoint presentations. Practical classes will allow for development of data handling and analysis skills with relevant software (e.g. Endnote, Excel, SPSS, NVIVO), and, will include interactive tasks to develop understanding of appropriate study design (qualitative, quantitative, and mixed methods), planning for research, literature searching and referencing, academic writing and critical evaluation of literature.
<b>Module Aim:</b>	Acquire and develop skills relevant to the research process (study design, data handling, analysis and presentation, and academic writing) to allow successful completion of a research project in sport and exercise sciences, rehabilitation and athletic therapy, strength and conditioning, and physical activity.
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Design a research project with due consideration for a theoretical framework, sound study design, appropriate methods of data collection and analysis (quantitative, qualitative and/or mixed-methods), and research ethics.
LO2	Search for and critically evaluate peer reviewed research and synthesise secondary research into a theoretical framework, citing appropriate sources, to formulate a hypothesis.
LO3	Choose, perform and interpret appropriate analyses on research data and present results with appropriate means of data presentation (incl. written, figures, tables)
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b>	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b>	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b>	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
Successful completion of year 2 or equivalent	

## Module Content & Assessment

### Indicative Content

#### The Research Process

Development of the research question, Research Design, Data Collection, Data Analysis, Reporting and Discussing the Findings

#### Writing for research

Development of academic reading and writing skills, incl. skills such as synthesis, paraphrasing and developing an argument using secondary sources. Making inferences from primary and secondary research

#### Study design in Sport and Health Research

Qualitative, Quantitative and Mixed Methods study designs

#### Formulating the method

Methodological considerations in Sport and Health Sciences research

#### Ethical issues in Sport and Health Sciences research

Ethical considerations with human participants, and the process of ethical clearance, informed consent, assent and risk assessment

#### Data Analysis and Presentation in Sport and Health Sciences Research

Quantitative and qualitative methods of analysis, including statistical analysis and thematic analysis, reporting the results of analysis, and presenting the data (written, figures, tables, etc.)

#### Practical

Practical classes will allow students develop proficiency with data handling, analysis, and data presentation in qualitative and quantitative research assisted by the use of Excel, SPSS and NVIVO . Students will also learn to interpret the data, complete a written description of results, including the use of descriptive and inferential statistics, that would be common place in journal article and dissertation results sections.

### Assessment Breakdown

	%
Project	60.00%
Practical	40.00%

### Special Regulation

Students must achieve a minimum grade (35%) in both the practical and project

No Continuous Assessment

### Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Complete a Research Proposal	1,2	60.00	Week 11

### Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Data analysis and presentation exam	3	40.00	Week 14

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

**Module Workload**

<b>Workload: Full Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	2.00
Laboratory	12 Weeks per Stage	2.00
Estimated Learner Hours	15 Weeks per Stage	5.13
Total Hours		125.00

**Module Delivered In**

Programme Code	Programme	Semester	Delivery
CW_SASPS_B	<a href="#">Bachelor of Science (Honours) in Sport and Exercise Science</a>	5	Mandatory
CW_SASRA_B	<a href="#">Bachelor of Science (Honours) in Sports Rehabilitation and Athletic Therapy</a>	6	Mandatory
CW_SASAC_B	<a href="#">Bachelor of Science (Honours) in Strength and Conditioning</a>	5	Mandatory