1. **Title of the module**

SPOR5750 (SS575) Research Methods

1. **School or partner institution which will be responsible for management of the module**

School of Sport and Exercise Sciences

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 4

1. **The number of credits and the ECTS value which the module represents**

30 credits (15 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn and Spring

1. **Prerequisite and co-requisite modules**

None

1. **The programmes of study to which the module contributes**

BSc. Sport & Exercise Science

BSc. Sport & Exercise for Health

BSc Sports Therapy and Rehabilitation

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**

1 Analyse the strengths and weaknesses associated with selected research methods;

2 Identify and interpret descriptive, graphical and inferential statistics that inform answers to specific research questions concerned with both simple and complex research designs;

3 Conduct a variety of statistical analyses using the computer software SPSS and communicate an interpretation of the output in a written research report format

1. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**

1 Demonstrate skills in numeracy and information technology;

2 Demonstrate skills in problem solving;

3 Demonstrate the ability to plan and manage learning.

1. **A synopsis of the curriculum**

This module introduces students to the analysis techniques required for their dissertation module. The analysis techniques to be covered are as follows:

Independent and paired t-tests

Overview of Regression and Correlation

Qualitative analysis techniques

One way ANOVA

Factorial ANOVA

Repeated measures ANOVA

Non-parametric tests

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Creswell, J. (2013). *Research design: qualitative, quantitative, and mixed methods approaches.* 4th Ed. London: Sage.

Dancey, C. P., Reidy, J. & Rowe, R. (2012) Statistics for the Health Sciences: A Non-Mathematical Introduction. London: Sage.

Field, A. (2013). *Discovering statistics using IBM SPSS Statistics*. 4th Ed. London: Sage.

Vincent, W. J. & Weir, J. (2012) Statistics in Kinesiology. 4th Ed. Leeds: Human Kinetics.

1. **Learning and teaching methods**

Total contact hours: 21

Private study hours: 129

Total study hours: 150

1. **Assessment methods**
	1. Main assessment methods

Data Analysis and Reporting Exercise – 100%

At least one formative feedback opportunity will be provided in this module that will directly support the specified summative assessment. Please see the module guide for further information.

13.2 Reassessment methods

Like for like

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section 12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |
| **Private Study** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Lectures** | **x** | **x** |  | **x** | **x** | **x** |
| **SPSS workshops** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Coursework* | **x** | **x** | **x** | **x** | **x** | **x** |

1. **Inclusive module design**

The School recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Medway

1. **Internationalisation**

The teaching materials and content have been written by an academic who obtained qualifications in statistics in the USA. The use of online and e-learning tools within the module draws on tools and practices shared by international scientific societies.

**FACULTIES SUPPORT OFFICE USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 07/06/17 | Minor | September 2017 | 10 | No |
|  |  |  |  |  |

Revised FSO Feb 2018