1. **Title of the module**

SPOR8330 (SS833) Laboratory Techniques in Exercise Physiology

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 7

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

15 credits (7.5 ECTS)

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

Autumn or Spring

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

None

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

MSc Sport and Exercise Science

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
2. Demonstrate a comprehensive understanding of the principles of test construction, selection and application in a sports, performance, or health context
3. Evaluate laboratory methods and their application including the concepts of validity and reliability
4. Critically analyse, interpret, document and present exercise testing data in an appropriate format
5. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
6. Demonstrate skills in communication of a variety of subject specific material.
7. Apply information technology and numeracy to the study of parameters of human physiological function.
8. Demonstrate problem solving and the ability to plan and manage learning.
9. **A synopsis of the curriculum**

This module allows students to develop comprehensive knowledge and understanding of laboratory techniques and methods in exercise physiology and their application to sport or health contexts. Practical laboratory sessions are used to reinforce theoretical knowledge.

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

Brooks, G. Fahey, T. White, T. Baldwin, K. (2005) Exercise Physiology. Human Bioenergetics and its Applications (4th ed.) McGraw Hill.

Eston, R. Reilly, T. (eds) (2019) Kinanthropometry and Exercise Physiology Laboratory Manual. Test, Procedures and Data (4th ed.) Routledge.

Gore, C. (Ed.) (2012) Physiological Tests for Elite Athletes (2nd ed.) Human Kinetics.

Winter, E. Jones, M. Davison, RCR. Bromley, P. Mercer, TH. (2006). Sport and Exercise Physiology Testing Guidelines. Volume 1 – Sports Testing. Routledge.

1. **Learning and teaching methods**

Total contact hours: 33

Private study hours: 117

Total study hours: 150

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

50% written report/essay, 1500 (coursework 1)

50% written report/essay, 1500 (coursework 2)

13.2 Reassessment methods

Like for like

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |
| Lectures/practical | **x** | **x** | **x** | **x** | **x** | **x** |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** |
| **Assessment method** |  |  |  |  |  |  |
| *Written coursework 1* | **x** | **x** | **x** | **x** | **x** | **x** |
| *Written coursework 2* | **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:

1. Accessible resources and curriculum
2. Learning, teaching and assessment methods
3. **Campus(es) or centre(s) where module will be delivered**

Medway

1. **Internationalisation**

Sport and Exercise Sciences are international subjects and the primary research upon which students must draw for this module will be from researchers and authors worldwide. The applications to sport and exercise have international appeal and importance given the global appeal and media attention that sport receives.

**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) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 12/06/2017 | Minor | September 2017 | 5, 14, 17 | No |
| 23/01/2019 | Major | September 2019 | 1, 4, 7, 8, 9, 10, 11, 12, 17 |  |

Revised FSO Feb 2018