1. **Title of the module**

SPOR3450 (SS345) Functional Anatomy and Biomechanics

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 (Hons) Sports Therapy and Rehabilitation

BSc (Hons) Sports Therapy

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
2. Describe the structure and function of the major bones, joints, muscles and soft tissue structures of the lower limb, upper limb and trunk.
3. Describe the basic movements of the body.
4. Explain the basic biomechanical concepts of human movement.
5. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
6. Demonstrate numeric skills
7. Demonstrate Information technology skills
8. Demonstrate the ability to plan and manage learning
9. **A synopsis of the curriculum**

Students will cover the biomechanics of movement, movement patterns of the lower limb, upper limb and trunk; bones and surface markings of the lower limb, upper limb and spine; joints of the lower limb, upper limb and spine; muscles (origin, insertion and actions) of the lower limb, upper limb and trunk; soft tissue structures of the lower limb, upper limb and trunk; and nerves of the lower limb, upper limb and trunk.

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

Beil, A. (2005) Trail Guide to the Body. (3rd Ed) Canada. Books of Discovery.

Nordin, M. & Frankel, V. (2001) Basic Biomechanics of the Musculoskeletal System. Philadelphia. Lippincott, Williams & Wilkins.

Palastanga, N. Field, D. Soames, R. (2006) Anatomy and Human Movement. Structure and Function (5th Ed) London. Butterworth Heinemann.

Stone, R. & Stone, J. (2005) Atlas of the Skeletal Muscles. 5th Ed. Boston. McGraw-Hill.

Tank, P.W., Gest, T.R. (2009) Atlas of Anatomy Lippincott, Williams & Wilkins.

1. **Learning and teaching methods**

Total contact hours: 60

Private study hours: 240

Total study hours: 300

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

In-class Test 90 minutes (autumn term) – 20%

Exam – 2 hours (summer) - 80%

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** |  |  |  |
| **Seminars** |  | **x** | **x** | **x** | **x** |  |
| **Assessment method** |  |  |  |  |  |  |
| **In Course Test** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Examination** | **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 content of this module is a core component of the BSc Sports Therapy and Rehabilitation programme, which is accredited by the British Association of Sport Rehabilitators and Trainers. This organisation has referenced international standards in Sports Rehabilitation and Training in setting its accreditation standards.

**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 | Major | September 2017 | 12, 13 | No |
|  |  |  |  |  |

Revised FSO Feb 2018