1. **Title of the module**

BIOS5130 (BI513) – Human Physiology and Disease II

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

Division of Natural Sciences

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

Level 5

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

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

None

1. **The course(s) of study to which the module contributes**

Compulsory for BSc Biomedical Science and related programmes; BSc Biochemistry and related programmes; BSc Biology and related programmes; BSc Biomedical Engineering

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

8.1 Describe the structural organisation and function of specific physiological systems of the body and understand how the body systems act in an integrated manner to maintain homeostasis.

8.2 Describe how malfunction of physiological systems gives rise to disease, using specific examples.

8.3 Appreciate the relationship between physiology, anatomy, and medicine.

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

9.1 Retrieve and interpret information and apply it as necessary.

9.2 Carry out data analysis and evaluation effectively.

9.3 Communicate effectively using a variety of methods.

1. **A synopsis of the curriculum**

This module will consider the anatomy and function of normal tissues, organs and systems and then describe their major pathophysiological conditions. It will consider the aetiology of the condition, its biochemistry and its manifestation at the level of cells, tissues and the whole patient. It may also cover the diagnosis and treatment of the disease condition.

Indicative topics will include the reproductive system; muscle; nervous system; and endocrine system.

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

Silverthorn, D.U. (2018). *Human Physiology – An Integrated Approach*, 8th Edition. New York, NY: Pearson Education.

1. **Learning and teaching methods**

Total Contact Hours: 24

Total Private Study Hours: 126

Total Study Hours: 150

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

* In-Course Test (90 minutes) – 35%
* Examination (2 hours) – 65%

Both the ICT and the examination are compulsory sub-elements and must be passed to complete the module.

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** |  |  |  |  |  |  |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** |
| Workshop |  | **x** | **x** | **x** | **x** | **x** |
| Lecture | **x** | **x** | **x** | **x** |  |  |
| **Assessment method** |  |  |  |  |  |  |
| ICT |  | **x** | **x** | **x** | **x** |  |
| Examination | **x** | **x** | **x** | **x** |  | **x** |

1. **Inclusive module design**

The Division 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**

Canterbury

1. **Internationalisation**

Biosciences is an international discipline. This module presents subject-specific knowledge, research approaches and techniques, generated, developed, and refined by scientists around the world. Mastery of the learning outcomes will equip students to apply the theories and techniques of the module in a wide range of international contexts. In identifying a suitable text to complement the delivery of the material, consideration has been given to the range of texts that are available internationally. The Division of Natural Sciences is an international community of students and staff. Group activities e.g. in practicals, tutorials, workshops and self-study will naturally draw on the international make-up of the student body; the module teaching team includes members with international experience of teaching and/or research collaboration.

**DIVISION 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 delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 20/01/20 | Minor | Sept 2020 | 13 | No |
| 17/12/20 | Major | Sept 2021 | 10, 11, 13 & 14 | No |

|  |
| --- |
| Revised FSO Feb 2020 |