1. KentVision Code and title of the module

BIOS3070 – Human Anatomy and Physiology I

## Division and School/Department or partner institution which will be responsible for management of the module

Division of Natural Sciences (Biosciences)

## The level of the module (Level 4, Level 5, Level 6 or Level 7)

Level 4

## The number of credits and the ECTS value which the module represents

15 Credits (7.5 ECTS)

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

Spring

## Prerequisite and co-requisite modules and/or any module restrictions

None

## The course(s) of study to which the module contributes

Compulsory for the following courses:

BSc (Hons) Biochemistry and related courses

BSc (Hons) Biomedical Science and related courses

BSc (Hons) Biology and related courses

Not available as an elective module

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

8.1 Describe the main physiological systems of the body and the basic anatomical structure and histology of the principal organs in these systems.

8.2 Understand the role of the main physiological systems in the maintenance of whole body homeostasis.

8.3 Describe the consequences of alteration of normal physiological states and the evolution of disease.

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

9.1 Extract and interpret information at a first year undergraduate level.

9.2 Acquire skills in written communication.

## 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:

* Cells and tissues
* Membrane dynamics
* Cell communication and homeostasis
* Introduction to the nervous system
* Cardiovascular system
* Respiratory system
* Immune system and inflammation
* Blood cells and clotting
* Urinary system
* Digestive system, liver and pancreas

## Reading list

## The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

## The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

## Contact Hours

Private Study: 123

Contact Hours: 27

Total: 150

## Assessment methods

13.1 Main assessment methods

* Practical Report (14 questions) – 20%
* MCQ Assessment (40 questions) – 20%
* Examination (2 hours) – 60%

13.2 Reassessment methods

* Like-for-like

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

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 |
| --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** | **x** | **x** | **x** |
| Lectures | **x** | **x** | **x** |  |  |
| Laboratory |  |  |  | **x** | **x** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 |
| --- | --- | --- | --- | --- | --- |
| Practical Report |  | **x** |  | **x** | **x** |
| MCQ Assessment | **x** | **x** | **x** |  |  |
| Examination | **x** | **x** | **x** | **x** | **x** |

## 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

## Campus(es) or centre(s) where module will be delivered

Canterbury

## Internationalisation

Science is an international discipline with widely applicable international resonance. This module presents subject-specific knowledge generated, developed, and refined by scientists around the world. Mastery of the learning outcomes will equip students to apply the knowledge in a wide range of international contexts and these will be addressed in making the content relevant to current global issues. The Division of Natural Sciences is an international community of students and staff and group activities and teaching will provide a platform for internationally-focussed discussion.

**DIVISIONAL USE ONLY**

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

| Date approved | New/Major/minor revision | Start date of delivery of (revised) version | Section revised(if applicable) | Impacts PLOs (Q6&7 cover sheet) |
| --- | --- | --- | --- | --- |
| 20 Jan 2020 | Minor | Sep 2020 | 11, 13 | No |
| 09 Aug 2022 | Minor | Sept 2023 | 1 | No |

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