# ROBERT GORDON UNIVERSITY ABERDEEN

## This Version is No Longer Current
The latest version of this module is available here

## MODULE DESCRIPTOR

### Module Title

Human Anatomy and Physiology 1

| | | | |
|---|---|---|---|
| Reference | AS2901 | Version | 4 |
| Created | August 2021 | SCQF Level | SCQF 8 |
| Approved | May 2010 | SCQF Points | 15 |
| Amended | August 2021 | ECTS Points | 7.5 |

### Aims of Module

To enable students to have knowledge of the anatomy and understand the physiology of the nervous, endocrine, muscular, integumentary and skeletal systems.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

| | |
|---|---|
| 1 | Demonstrate understanding of the structure of the nervous, muscular, endocrine, skeletal and integumentary systems. |
| 2 | Demonstrate understanding of the physiology of the nervous, muscular, endocrine, skeletal and integumentary systems. |
| 3 | Relate the roles of the nervous, endocrine, muscle, skeletal and integumentary systems in the regulation and maintenance of homeostasis. |

### Indicative Module Content

Organisation: the principal body systems, anatomical, regional and directional terms, tissue types. Nervous system: anatomy and physiology of the central and peripheral nervous system. Endocrine System: anatomy, and physiology of the endocrine glands, hormonal mechanisms of action, physiological roles of pituitary, pineal, thyroid, parathyroid, adrenal, pancreas and sex hormones. Muscular System: anatomy of muscle, molecular, histological and anatomical events in muscle contraction. Integumentary System: anatomy and physiology of the skin and accessory organs. Skeletal System: anatomy of bone, joints and ligaments; ossification, bone physiology.

### Module Delivery

Lecture based module supplemented with tutorial exercises.

| Indicative Student Workload | Full Time | Part Time |
|---|---|---|
| Contact Hours | 36 | N/A |
| Non-Contact Hours | 114 | N/A |
| Placement/Work-Based Learning Experience [Notional] Hours | N/A | N/A |
| TOTAL | 150 | N/A |
| *Actual Placement hours for professional, statutory or regulatory body* | | |

## ASSESSMENT PLAN

*If a major/minor model is used and box is ticked, % weightings below are indicative only.*

### Component 1

| Type: | Examination | Weighting: | 100% | Outcomes Assessed: | 1, 2, 3 |
|---|---|---|---|---|---|
| Description: | Unseen, closed book examination. | | | | |

## MODULE PERFORMANCE DESCRIPTOR

### Explanatory Text

Component 1 (EX1) comprises 100% of the module grade. A minimum of a Grade D is required to pass the module.

| Module Grade | Minimum Requirements to achieve Module Grade: |
|---|---|
| **A** | A: a score of 75% or above is required |
| **B** | B: a score of between 60-74% is required |
| **C** | C: a score of between 50-59% is required |
| **D** | D: a score of between 40-49% is required |
| **E** | E: a score of between 35-39% is required |
| **F** | F: a score of less than 35% is required |
| **NS** | Non-submission of work by published deadline or non-attendance for examination |

### Module Requirements

| Prerequisites for Module | Successful completion of Stage 1 of the course, or equivalent. |
|---|---|
| Corequisites for module | None. |
| Precluded Modules | None. |

## INDICATIVE BIBLIOGRAPHY

| 1 | MARIEB, E.N. *Essentials of Human Anatomy & Physiology.* Current Edition. Pearson/Benjamin Cummings |
|---|---|
| 2 | MARTINI, F. and NATH, J.L. *Fundamentals of Anatomy and Physiology.* Current Edition. Addison-Wesley. |
| 3 | TORTORA, G.J. AND DERRICKSON, B.H. *Introduction to the Human Body: The Essentials of Anatomy and Physiology.* Current Edition. New York: Wiley |