

<b>Module Title</b> <b>Human Anatomy and Physiology 1</b>	Reference AS2901 SCQF Level SCQF 8 SCQF Points 15 ECTS Points 7.5 Created May 2002 Approved May 2010 Amended May 2008 Version No. 1
<b>Keywords</b> Anatomy, physiology, body systems.	

## This Version is No Longer Current

The latest version of this module is available [here](#)

### Prerequisites for Module

In addition to SCQF 8 entry requirements students should be familiar with Biology for the Life Sciences or an equivalent.

### Corequisite Modules

None.

### Precluded Modules

None.

### 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

### Indicative Student Workload

<i>Contact Hours</i>	Full Time
Lectures/Tutorials	36

<i>Directed Study</i>	
Directed Study	40

<i>Private Study</i>	
Private Study	74

### Mode of Delivery

Lecture based module supplemented with tutorial exercises.

### Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3

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

Component 1 is a closed book examination.

### **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

System: anatomy of bone, joints and ligaments; ossification, bone physiology.