

<b>Module Title</b> <b>Human Anatomy and Physiology 2</b>  <b>Keywords</b> Anatomy, physiology, body systems.	Reference AS2902 SCQF Level SCQF 8 SCQF Points 15 ECTS Points 7.5 Created May 2002 Approved May 2011 Amended May 2008 Version No. 1
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## This Version is No Longer Current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 physiology of the digestive, sensory, cardiovascular, respiratory, urinary and reproductive systems.

### 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

## Learning Outcomes for Module

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

1. Demonstrate understanding of the structure of the digestive, respiratory, sensory, cardiovascular, urinary and reproductive systems.
2. Demonstrate understanding of the physiology of the digestive, respiratory, sensory, cardiovascular, urinary and reproductive systems.
3. Relate the roles of the nervous, endocrine, integumentary, cardiovascular, respiratory, urinary and reproductive systems in the regulation and maintenance of homeostasis.

## Indicative Module Content

Digestive System: Anatomy of the gastrointestinal tract and accessory organs, digestive processes. Cardiovascular System: Anatomy of heart and vessels, conduction system, cardiac cycle, homeostasis control, lymphatic vessels and tissues. Respiratory System: Anatomy and physiology, volumes, respiration and its control, gas exchange and transport. Urinary System: Anatomy and physiological role, regulation and control. Sensory

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 and receptor physiology, pain, vision, hearing and equilibrium, taste and smell.

Reproductive System: Anatomy and physiology of the reproductive tracts, control of reproductive functions.