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## MODULE DESCRIPTOR

### Module Title

Human Anatomy and Physiology 1

Reference	AS2901	Version	2
Created	February 2017	SCQF Level	SCQF 8
Approved	May 2010	SCQF Points	15
Amended	August 2017	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
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

## 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

This module is assessed using the one component detailed in the Assessment Plan. To pass this module, candidates must achieve a Module Grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	Final aggregate mark of 75% or greater
<b>B</b>	Final aggregate mark of between 60-74%
<b>C</b>	Final aggregate mark of between 50-59%
<b>D</b>	Final aggregate mark of between 40-49%
<b>E</b>	MARGINAL FAIL. Final aggregate of between 35-39%
<b>F</b>	FAIL. A mark of less than 35%
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

## Module Requirements

Prerequisites for Module	In addition to SCQF 8 entry requirements students should be familiar with Biology for the Life Sciences or an equivalent.
Corequisites for module	None.
Precluded Modules	None.

## INDICATIVE BIBLIOGRAPHY

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