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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:
A	Final aggregate mark of 75% or greater
B	Final aggregate mark of between 60-74%
C	Final aggregate mark of between 50-59%
D	Final aggregate mark of between 40-49%
E	MARGINAL FAIL. Final aggregate of between 35-39%
F	FAIL. A mark of less than 35%
NS	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