MODULE DESCRIPTOR

Module Title

Human Anatomy & Physiology

Reference	PL2904	Version	1
Created	June 2022	SCQF Level	SCQF 8
Approved	June 2022	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To enable students to have knowledge of the anatomy and understand the physiology of the nervous, endocrine, muscular, integumentary, skeletal, digestive, sensory, cardiovascular, respiratory, urinary and reproductive 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, integumentary, digestive, sensory, cardiovascular, respiratory, urinary and reproductive systems.
2	Demonstrate understanding of the physiology of the nervous, muscular, endocrine, skeletal, integumentary, digestive, respiratory, sensory, cardiovascular, urinary and reproductive systems.
3	Relate the roles of the nervous, endocrine, muscular, skeletal, integumentary, digestive, sensory, cardiovascular, respiratory, urinary and reproductive systems to 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. 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 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

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Module Delivery

Lecture based module supplemented with tutorial exercises.

Indicative Student Workload	Full Time	Part Time
Contact Hours	72	N/A
Non-Contact Hours	228	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	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 Module Grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
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.

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INDICATIVE BIBLIOGRAPHY

1	MARIEB, E.N. and KELLER, S.M. Essentials of Human Anatomy & Physiology. 12th Edition, 2018. Pearson.
2	MARTINI, F., NATH, J.L. and BARTHOLOMEW, E.F. Fundamentals of Anatomy and Physiology. 11th Edition, 2018. Pearson.
3	TORTORA, G.J. and DERRICKSON, B.H. Introduction to the Human Body: The Essentials of Anatomy and Physiology. 11th Edition, 2017. Wiley.