Course Outline (Higher Education)

School:	School of Health and Life Sciences
Course Title:	ANATOMICAL AND PHYSIOLOGICAL BASES OF THE HUMAN BODY 1
Course ID:	EXSCI1011
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED Code:	10913

Description of the Course :

This course provides an introduction to the anatomical and physiological structures and functions of the human body using a systems approach. This course will develop student understandings of physiological mechanisms responsible for maintenance of homeostasis and health. Specifically it explores the structures and functions of the
the human body at the cellular, tissue and organ-system levels for the Integument, Musculoskeletal, Central and Peripheral Nervous systems, Circulatory and Respiratory systems. The content is designed to assist students in understanding the interrelationship between structure and function of the human body to health and well-being.

Grade Scheme: Graded (HD, D, C, etc.)

Program Level:

AQF Level of Program						
	5	**6**	**7**	**8**	**9**	**10**
Level						
Introductory			✔			
Intermediate						
Advanced						

Learning Outcomes:

Knowledge:

K1. Demonstrate accurate use of anatomical language to define and describe the structure and functions of the systems of the human body

K2. Describe the basic functions of different body structures and identify and explain relevant interrelationships between structure and function in the human body

K3. Identify and describe anatomical structures of cell biology and histology and specific human body systems including the Integument, Musculoskeletal, Central and Peripheral Nervous systems, Circulatory systems (Cardiovascular and Lymphatics), and Respiratory systems of the human body

K4. Explain physiological processes of cells and tissues and specific human body systems including the Integument, Musculoskeletal, Central and Peripheral Nervous systems, Circulatory systems (Cardiovascular and Lymphatics), and Respiratory systems of the human body

Skills:

S1. Integrate anatomical language in describing the structures and functions of the human body at the cellular, tissue and organ-system levels for the Integument, Musculoskeletal, Central and Peripheral Nervous systems, Circulatory and Respiratory systems

S2. Display and develop proficiency in study strategies and techniques that promote knowledge acquisition and retention

Application of knowledge and skills:

A1. Outline the relationship of anatomical structures and physiological functions of cellular, tissue and specific organ-systems (Integument, Musculoskeletal, Central and Peripheral Nervous System, Circulatory and Respiratory systems) in the human body to health and well-being;

A2. Account for the complexity and diversity of structure across body systems

Course Content:

This course uses a systemic approach to the study of anatomy and physiology

Topics may include:

- Introduction and orientation to the human body
- Foundational studies of cell biology and histology
- Human Anatomy of Integument, Musculoskeletal, Central and Peripheral Nervous systems, Circulatory systems and Respiratory systems
- Structural Parameters and anatomical points of reference for health assessments
- Physiological processes of cellular, integument, musculoskeletal, central and peripheral nervous system, circulatory and respiratory systems
- The interrelationship of organ-systems to the maintenance of organism survival and homeostasis
- Support and movement systems: Integument, Musculoskeletal systems
- Regulation and integration systems: Central and Peripheral Nervous system
- Maintenance systems: the circulatory system (cardiovascular and lymphatics), the respiratory system
- Measures of function of cellular, integument, musculoskeletal, central and peripheral nervous systems, circulatory and respiratory systems

Values and Graduate Attributes:

Values:

V1. Identify the relationship of anatomical structures and physiological functions of cellular, tissue and specific organ-systems (Integument, Musculoskeletal, Central and Peripheral Nervous System, Circulatory and Respiratory systems) in the human body to health and well-being

V2. Acknowledge and compare the complexity and diversity of structure across body systems

Graduate Attributes:

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Attribute	Brief Description	Focus
Continuous Learning	Students will be equipped with the skills, motivation and confidence to engage in continuous learning to meet the personal, professional and vocational challenges of an ever changing world.	High
Self Reliance	Students will possess the confidence, capability, assurance, independence and enterprise to enable them to fulfil their personal and career aspirations	Medium
Engaged Citizenship	Students will add to the productive capacity of the economy and be in demand and will be attuned to, and engage with, contemporary social and cultural issues and aspire to make meaningful and helpful contributions to local, national and global communities.	Low
Social Responsibility	Students will be aware of generally accepted norms of ethical behaviour and be encouraged to act in a socially responsible manner both in the work place and other settings.	Low

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K3, K4, S1, A1, A2	Development of knowledge through learning activities	1. Laboratory Manual workbook 2.Practical Laboratory Assessment	1.S/U 2.30-50%
K1, K2, K3, K4, S1, S2, A1, A2	Demonstration of knowledge of theoretical and practical concepts explored throughout the course	1.Mid-semester test 2.Final Theory Examination	50-80%

Adopted Reference Style:

APA