MODULE SPECIFICATION

Part 1: Information			
Module Title	Human Anatomy and Physiology		
Module Code	USSKA3-30-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Health & Applied Sciences	Field	Applied Sciences
Department	HAS Dept of Applied Sciences		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Educational Aims: See Learning Outcomes.

Outline Syllabus: Anatomical terminology as it relates to body posture and describing orientation of organs/limbs in a clinical setting.

Major skeletal structure, including an introduction to bone growth and development.

Connective tissues: Introduction into cell types that make up the various connective tissues, and the function of connective tissue in the human body.

Major muscle groups, including their relationship to connective tissues.

Histological structure of endocrine, nerve and muscle tissues.

Endocrinology; structure and function of the key endocrine organs and its relationship to homeostasis and normal function.

Introduction to the Nervous System to include gross anatomy of the brain and spine. The electrochemical nature of nervous signals. Membrane and action potentials, nerve conduction,

synaptic transmission.

An introduction to the pharmacological nature of the autonomic nervous system. The neurotransmitters and receptors involved in autonomic function.

Structure of the heart and its associate with major blood vessels, including lung structure and it's relationship to the heart and associated function.

Respiratory system: respiration and its control, gas exchange and transport.

The structure of the organs that make up the GI system, with focus on adaptations of each to carry out specific functions relating to stages of digestion.

The structure of the kidneys and bladder, including nervous control of micturition.

Structure and function of the male and female reproductive system.

The process of human development from fertilisation to adulthood.

Teaching and Learning Methods: See Assessment

Part 3: Assessment

The Assessment Strategy has been designed to support and enhance the development of subject-based knowledge and skills, whilst ensuring that the Learning Outcomes are achieved.

Component A comprises MCQ or Varied Online Question (VOQ) style questions covering theoretical (lecture based) knowledge and understanding. The exam will be broken down into topic specific sections to guarantee adequate coverage of all key areas to map to the learning outcomes. The delivery pattern of these exams is unique in that 6 are sat across the academic year on a monthly basis. Each exam is completed online (via tablets or PCs depending on availability) and consists of 30 questions. Of these, two thirds of the questions cover lecture material delivered in the previous two lectures, and one third covers all material taught prior to this. These are randomly drawn from a bank, thus ensuring engagement with material from across the syllabus at all times of the year. Of the 6 exams sat, the highest scoring 5 count towards the final component grade. Students are able to identify which areas they scored better or worse on before exiting the exam, thus informing their revision strategy for the remaining exams and allowing them to improve their overall score.

Coursework will primarily assess practical knowledge and skills relevant to the lectures, by way of an online portfolio consisting of multiple mini-tasks covering the breadth and depth of the practical sessions.

This assessment is designed to encourage engagement with the practicals and the necessary reading material in a continuous fashion, and to encourage improved attendance at said practicals.

Formative assessment will also be available throughout both semesters by way of online formative quizzes that are designed to give the student's the opportunity to test their own understanding of the lecture material without the final grade counting towards their overall mark. It does however present both student and academic with the chance to see that grade and adjust teaching and learning accordingly depending on cohort performance.

Both formative and summative feedback is available through the year by way of the VLE (Blackboard), with more specific feedback provided either individually or more generally when appropriate and depending on the nature of the assignment/learning task.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Portfolio - Component B		50 %	Continuous Practical Portfolio
Examination (Online) - Component A	✓	50 %	In-class tests (6x 30 mins)

Resit Components	Final Assessment	Element weighting	Description
Examination (Online) - Component A	✓	50 %	Online examination (24 hours)
Online Assignment - Component B		50 %	Online portfolio

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Use and understand basic anatomical terminology	MO1
Explain the principles of physiological control mechanisms related to the anatomy and physiology of key body systems	MO2
Describe the differences between different connective tissue types and relate key properties to their function	MO3
Identify major bones of the human skeleton, including key surface landmarks	MO4
Describe the position, orientation, and gross anatomy of major organs to their respective systems	MO5
To explain relationships between the function and location of key systems	MO6
Describe the structure and function of the endocrine and nervous systems	MO7
Understand the sensory and locomotor aspects of the nervous system	MO8
Describe the principles of diagnostic imaging and show a working knowledge of simple interpretation	MO9
Demonstrate practical skills in data observation, collection and handling, and relate outcomes to the relevant physiology	MO10

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	234
Total Independent Study Hours:	234
Scheduled Learning and Teaching Hours:	
Face-to-face learning	66
Total Scheduled Learning and Teaching Hours:	66
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/usska3-30-1.html

Part 5: Contributes Towards
This module contributes towards the following programmes of study: