



MODULE SPECIFICATION

Part 1: Information			
Module Title	Human Anatomy and Physiology		
Module Code	USSKA3-30-1	Level	1
For implementation from	September 2019		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Health and Applied Sciences	Field	Applied Sciences
Department	Applied Sciences		
Contributes towards	This module is compulsory on all variants of the following programmes: BSc (Hons) Biomedical Science BSc (Hons) Biological Sciences		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	N/A		

Part 2: Description	
	<ul style="list-style-type: none"> 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 its 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.

Part 3: Assessment: Strategy and Details

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.

The controlled conditions assessment for this module 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.

Identify final timetabled piece of assessment (component and element)	Component A	
% weighting between components A and B (Standard modules only)	A:	B:
	50	50
First Sit		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. In-class tests (6x 30 mins)	100	
Component B Description of each element	Element weighting (as % of component)	
1. Continuous Practical Portfolio	100	
Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Online examination (3 hours), Assessment Period 3	100	
Component B Description of each element	Element weighting (as % of component)	
1. Online portfolio	100	

Part 4: Learning Outcomes & KIS Data																															
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ul style="list-style-type: none"> • Use and understand basic anatomical terminology (A, B) • Explain the principles of physiological control mechanisms related to the anatomy and physiology of key body systems, (A, B) • Describe the differences between different connective tissue types and relate key properties to their function (A) • Identify major bones of the human skeleton, including key surface landmarks (A, B) • Describe the position, orientation, and gross anatomy of major organs to their respective systems (A, B) • To Explain relationships between the function and location of key systems (A, B) • Describe the structure and function of the endocrine and nervous systems (A) Understand the sensory and locomotor aspects of the nervous system (A) • Describe the principles of diagnostic imaging and show a working knowledge of simple interpretation (A, B) • Demonstrate practical skills in data observation, collection and handling, and relate outcomes to the relevant physiology (B) 																														
Key Information Sets Information (KIS)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: left;">Key Information Set - Module data</th> </tr> </thead> <tbody> <tr> <td colspan="5"><i>Number of credits for this module</i></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center; border: 2px solid black;">30</td> </tr> <tr> <td style="text-align: center;">Hours to be allocated</td> <td style="text-align: center;">Scheduled learning and teaching study hours</td> <td style="text-align: center;">Independent study hours</td> <td style="text-align: center;">Placement study hours</td> <td style="text-align: center;">Allocated Hours</td> </tr> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">72</td> <td style="text-align: center;">228</td> <td style="text-align: center;">0</td> <td style="text-align: center;">300</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center;"></td> </tr> </tbody> </table>	Key Information Set - Module data					<i>Number of credits for this module</i>									30	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	300	72	228	0	300					
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Contact Hours	<p>The table below indicates as a percentage the total assessment of the module which constitutes a;</p> <p>Written Exam: Unseen or open book written exam Coursework: Written assignment or essay, report, dissertation, portfolio, project or in class test Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam (i.e. an exam determining mastery of a technique)</p>																														
Total Assessment	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Total assessment of the module:</th> </tr> </thead> <tbody> <tr> <td>Written exam assessment percentage</td> <td style="text-align: center;">50%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td style="text-align: center;">50%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </tbody> </table>	Total assessment of the module:		Written exam assessment percentage	50%	Coursework assessment percentage	50%		100%																						
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Reading List	https://uwe.rl.talis.com/modules/usska3-30-1.html																														

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First CAP Approval Date	28/03/2013			
Revision Approval Date <i>Update this row each time a change goes to CAP</i>	PER 28/11/2018 – see PER outcome report	Version	3	