



Module Specification

Anatomy and Physiology

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Part 1: Information

Module title: Anatomy and Physiology

Module code: USSKNC-15-1

Level: Level 4

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Applied Sciences

Partner institutions: None

Field: Applied Sciences

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: This module will cover the following topics within the anatomy and physiology area:

Anatomical terminology as it relates to the following body systems: musculoskeletal, digestive, circulatory, respiratory, endocrine and nervous systems.

Structure of the heart and major blood vessels, and its relationship with the ventilation system.

The structure of the organs that make up the digestive system, and how their structures enable the specific functions.

Structure and function of the key endocrine organs and their relationship to homeostasis.

Introduction to the nervous system, including the electrochemical nature of nervous signals, membrane and action potentials, nerve conduction, synaptic transmission.

Introduction to the musculoskeletal system and its function.

Introduction to the urinary system and its function in maintaining water balance.

Part 3: Teaching and learning methods

Teaching and learning methods: This module aims to deliver specialist knowledge through taught lectures, inductive tutorials, seminars and practical sessions to promote application of knowledge acquired, analytical and problem-solving skills.

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

MO1 Use and understand basic anatomical terminology

MO2 Explain the physiological principles of key body systems

MO3 Undertake independent literature research on key physiological systems

MO4 Explain relationships between the structure and function of key systems and their organs

MO5 Analyse data relating to key body systems and relate outcomes to the relevant physiology

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 105 hours

Face-to-face learning = 45 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ussknc-15-1.html) via the following link <https://uwe.rl.talis.com/modules/ussknc-15-1.html>

Part 4: Assessment

Assessment strategy: The assessment strategy has been designed to support and enhance the development of subject-based knowledge and practical skills, whilst ensuring that the learning outcomes are achieved.

Assessment Task 1 is an online exam over a 24 hour period, expected to take 2 hours to complete. This will provide students with an opportunity to demonstrate their knowledge on a broad range of topics and will provide a valuable learning experience through demonstrating and applying knowledge which will be of benefit when progressing to year 2.

The coursework (Assessment Task 2) comprises a 2000 word essay which will require students to investigate the relationship between different body systems. This assessment will provide a valuable learning experience through independent research of published literature and development of academic writing style.

Opportunities for formative assessment support and feedback are built into teaching and practical sessions, through discussion and evaluation of current research and

review of past exam papers. Students are provided with formative feed-forward for their online exam through a revision and exam preparation session prior to the exam.

Assessment tasks:**Examination (Online) (First Sit)**

Description: Online examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4, MO5

Written Assignment (First Sit)

Description: Essay (2000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Online) (Resit)

Description: Online examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4, MO5

Written Assignment (Resit)

Description: Essay (2000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Biological Laboratory Sciences [UCW] FdSc 2023-24