



## **Module Specification**

### **Human Health and Disease**

Version: 2023-24, v3.0, 21 Jul 2023

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## **Part 1: Information**

**Module title:** Human Health and Disease

**Module code:** USSKAN-30-2

**Level:** Level 5

**For implementation from:** 2023-24

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Health & Applied Sciences

**Department:** HAS Dept of Applied Sciences

**Partner institutions:** None

**Field:** Applied Sciences

**Module type:** Module

**Pre-requisites:** Human Anatomy and Physiology 2023-24

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## **Part 2: Description**

**Overview:** Pre-requisite: Students must have taken USSKA3-30-1: Human Anatomy and Physiology

**Features:** Not applicable

**Educational aims:** See Learning Outcomes.

**Outline syllabus:** In this module you will cover:

Immunology: inflammatory disorders, autoimmune disorders and disease states, immunodeficiency (including AIDS).

Haematology: the haematology of normal and disease states including haemoglobinopathies, thalassaemias, anaemias, leukaemias and thrombosis.

Inherited conditions: disease states caused by autosomal, allosomal, mitochondrial and polygenic disorders.

Exercise and health: the role of physical activity in the cause, prevention and treatment of chronic human disease including those of the renal and endocrine systems.

Nutrition and health: the role of physical activity in the cause, prevention and treatment of chronic human disease including those of the renal and endocrine systems.

Organ systems: disease states affecting the skeletal system, the renal system, the endocrine system, the digestive system, and the nervous system.

Neoplasias: an overview of the pathogenesis and significance of the most common neoplasias including breast, lung, prostate, colon and skin cancers.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** See outline syllabus and assessment strategy

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

**MO1** Understand the role of exercise and nutrition in the maintenance of a healthy state.

**MO2** Demonstrate understanding of how abnormal function of human organ systems contributes to human disease.

**MO3** Demonstrate awareness of the transition from a healthy to disease state.

**MO4** Analyse, record and appropriately present data derived from laboratory study.

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/usskan-30-2.html) via the following link <https://uwe.rl.talis.com/modules/usskan-30-2.html>

## **Part 4: Assessment**

**Assessment strategy:** Assessment 1 is a researched report which will require students to complete a 1500 word written account on a contemporary topic concerning the transition from healthy to disease states. This assessment will test a range of learning outcomes and will provide a valuable learning experience through applying knowledge and supporting this through the published literature.

Assessment 2 is a contemporaneous laboratory record, which students will be required to complete and maintain as they work through the practical programme. This will require data collection, handling and interpretation, experimental planning and the application of learning from the lecture material in experimental design in addition to discussion of results. The ability to maintain an accurate laboratory record is a fundamental skill for biological scientists.

Assessment 3 is an online exam with a 24hr window for submission. This assessment will test a range of the learning outcomes and will provide a valuable

learning experience through recalling and demonstrating knowledge which will be of benefit when progressing to final year modules.

**Assessment tasks:**

**Report (First Sit)**

Description: 1500 word report

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3

**Laboratory Report (First Sit)**

Description: Laboratory report (approx. 1000 words)

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4

**Examination (Online) (First Sit)**

Description: Online examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2

**Report (Resit)**

Description: 1500 word report

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO3

**Laboratory Report (Resit)**

Description: Laboratory report (approx. 1000 words)

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4

**Examination (Online) (Resit)**

Description: Online examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Biological Sciences [Frenchay] MSci 2022-23

Biological Sciences [Frenchay] BSc (Hons) 2022-23

Biological Sciences {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2021-22

Biological Sciences {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2021-22

Biological Sciences {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2021-22

Biological Sciences {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22