



## **Module Specification**

### **Pathophysiology**

Version: 2021-22, v3.0, 21 Dec 2021

#### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>3</b>
<b>Part 4: Assessment.....</b>	<b>4</b>
<b>Part 5: Contributes towards .....</b>	<b>6</b>

## Part 1: Information

**Module title:** Pathophysiology

**Module code:** USSKBW-15-3

**Level:** Level 6

**For implementation from:** 2021-22

**UWE credit rating:** 15

**ECTS credit rating:** 7.5

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

**Department:** HAS Dept of Applied Sciences

**Partner institutions:** None

**Delivery locations:** Frenchay Campus

**Field:** Applied Sciences

**Module type:** Standard

**Pre-requisites:** Human Biological Systems 2021-22, Human Health and Disease 2020-21, Human Physiology 2019-20

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

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

## Part 2: Description

**Overview:** Pre-requisites: students must have taken one of USSKAN-30-2 Human Health and Disease OR USSJXV-30-2 Human Physiology OR USSJRU-30-1 Human Biological Systems

**Features:** Not applicable

**Educational aims:** See Learning Outcomes.

**Outline syllabus:** This module concentrates on the pathophysiology of the major, non-cancer health burdens that currently affect our society and are responsible for the majority of deaths, as well as some of the more topical and increasingly important causes of morbidity and mortality.

Diseases and systems typically included in this module are (but are not limited to and will change annually depending on changes in global trends):

Global burden of disease

Cardiovascular system and associated pathologies (heart attack, stroke, hypertension, congestive heart failure)

Respiratory system including obstructive and restrictive lung diseases

Neurological pathology including Alzheimer's, dementia, Parkinsons, MS

Diabetes

Gastrointestinal system including ulcerative colitis and Crohn's disease

Drugs of abuse

Bladder pathology

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

**Teaching and learning methods:** See learning outcomes.

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

**MO1** Demonstrate an in-depth knowledge of human physiology.

**MO2** Discuss selected aspects of disordered physiology that underpin the major, non-cancer health burdens.

**MO3** Demonstrate a critical appreciation of the relationship between fundamental physiological knowledge and its application to understanding disease states.

**MO4** Critically evaluate the rationale of physiological and pharmacological approaches to the management of disordered physiology.

**Hours to be allocated:** 150

**Contact hours:**

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 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/usskbw-15-3.html) via the following link <https://uwe.rl.talis.com/modules/usskbw-15-3.html>

## **Part 4: Assessment**

**Assessment strategy:** 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 assessment will cover the broad curriculum via an online examination at the end of the second semester. Students answer a single, unseen question, and are allowed access to specific online resources and referencing packages, including the university library website and Google Scholar in order to evidence their work with peer reviewed publications from approved sources. Exams are submitted as word documents through Blackboard, marked online, and returned with appropriate feedback.

The coursework for this module is a single essay question with a deliberately broad remit to encourage students to choose from one or more areas of study across the module, rather than limiting demonstration of their knowledge and understanding, and ability to synthesise and evaluate information by focussing the question on one single area of the syllabus.

**Assessment components:****Examination (Online) - Component A (First Sit)**

Description: Online open-book examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Written Assignment - Component B (First Sit)**

Description: Essay (1500 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Examination (Online) - Component A (Resit)**

Description: Online open book examination (24 hours)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

**Written Assignment - Component B (Resit)**

Description: Essay (1500 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested:

## Part 5: Contributes towards

This module contributes towards the following programmes of study:

Applied Biomedical Science {Top-Up}[Sep][FT][INTUNI][1yr] BSc (Hons) 2019-20

Forensic Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Biological Sciences [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Biological Sciences [Sep][FT][Frenchay][4yrs] MSci 2019-20

Biomedical Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Biomedical Science [Sep][FT][Frenchay][4yrs] MSci 2019-20

Applied Biomedical Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Biological Sciences [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Biological Sciences [Sep][SW][Frenchay][5yrs] MSci 2018-19

Biomedical Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Biological Sciences {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2018-19

Biomedical Science {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19

Biomedical Science [Sep][SW][Frenchay][5yrs] MSci 2018-19

Biological Sciences {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19

Biomedical Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2018-19

Forensic Science {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19

Forensic Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Forensic Science [Sep][SW][Frenchay][5yrs] MSci 2018-19

Forensic Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2018-19