Module Specification

Pathophysiology

Version: 2023-24, v3.0, 19 Jun 2023

Contents

Part 1: Information

Module title: Pathophysiology

Module code: USSKBW-15-3

Level: Level 6

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: Human Biological Systems 2023-24, Human Health and Disease 2022-23, Human Physiology 2021-22

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 via the following link https://uwe.rl.talis.com/modules/usskbw-15-3.html

Part 4: Assessment

Assessment strategy: Assessment 1 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 2 is an online examination, which covers the broad curriculum. 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.

Assessment tasks:

Written Assignment (First Sit)
Description: Essay (1500 words)
Weighting: 50 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Online) (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 (Resit)
Description: Essay (1500 words)
Weighting: 50 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Online) (Resit)
Description: Online open-book examination (24 hours)
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Biomedical Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Biomedical Science [Sep][FT][Frenchay][4yrs] MSci 2021-22

Applied Biomedical Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Forensic Science [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Forensic Science [Sep][FT][Frenchay][4yrs] MSci 2021-22

Biological Sciences [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Biological Sciences [Sep][FT][Frenchay][4yrs] MSci 2021-22

Forensic Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Biological Sciences [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Biological Sciences [Sep][SW][Frenchay][5yrs] MSci 2020-21

Biomedical Science [Sep][SW][Frenchay][5yrs] MSci 2020-21

Biomedical Science {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Biomedical Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Biomedical Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2020-21

Forensic Science [Sep][SW][Frenchay][5yrs] MSci 2020-21

Forensic Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2020-21

Biological Sciences {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2020-21

Forensic Science {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Biological Sciences {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Forensic Science {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Biological Sciences {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Biological Sciences {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2019-20

Biomedical Science [Sep][PT][Frenchay][6yrs] BSc (Hons) 2019-20

Biomedical Science [Sep][PT][Frenchay][8yrs] MSci 2019-20

Biomedical Science {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Biomedical Science {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2019-20

Forensic Science {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2019-20