Module Specification

The Body and Pharmacology

Version: 2025-26, v1.0, Approved

Contents

Part 1: Information

Module title: The Body and Pharmacology

Module code: UZYYHS-15-2

Level: Level 5

For implementation from: 2025-26

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Health, Science & Society

School: CHSS School of Health and Social Wellbeing

Partner institutions: None

Field: Allied Health Professions

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: The Body and Pharmacology module covers the essential anatomy and systems within the body, focusing on those that are relevant to an optometrist. It typically provides the foundation knowledge about immunology, pharmacology, pharmacokinetics, the brain and visual processing.

Features: Not applicable

Educational aims: To provide a foundation knowledge in relevant human anatomy, systems and processes.
To develop an understanding of immunology and pharmacology.
To develop an understanding of the brain and visual perception.

Outline syllabus: The syllabus will typically cover:

The central nervous system, autonomic nervous system, cardiovascular system, and endocrine systems, and how it relates to clinical ophthalmology and pharmacology.
Principles of genetics and inheritance.
Principles of pathology and microbiology.
Immunology and processes of infection and inflammation will be covered, preparing students for future treatment of ocular disease.
Formulation, design and pharmacokinetics of medicines.
Basics of pharmacology intervention and covering the methods of drug administration, absorption and elimination.
The Brain, the function of the lateral geniculate nuclei, V1 and visual perception

Part 3: Teaching and learning methods

Teaching and learning methods: The module will typically use a variety of approaches to deliver content such as lectures and seminars sessions, which may include elements of peer learning and feedback.

There will be a student-centred approach to teaching, where individual responsibility for learning and development is encouraged. Independent learning will include essential reading, quiz activities, case study preparation, and analysis and interactive computerised learning activities, (for example Xerte). Students will be given support and direction for self-directed learning throughout the module.

Teaching will employ a practice-led approach through various means. The theory taught on the module will be linked to real-life patient examples and case studies. This will include highlighting its role in an Optometrists' responsibilities.

Students will be engaged in critical enquiry learning through the use of up to date, research informed theory, where they will have to use research to evidence their knowledge and best practice. The case studies will also provide opportunities for critical enquiry.

Formative assessment including quizzes and mock exam questions, will form a key part of student's learning. Students will be encouraged to engage in peer-support/feedback.

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

MO1 Summarise the basic principles of inheritance, pathology, immunology and microbiology, relating to clinical examples

MO2 Describe the structure, function and processes of major body systems and the brain

MO3 Describe the journey a drug would take through the body

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

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/index.html

Part 4: Assessment

Assessment strategy: This module will be assessed by:

Written Examination (invigilated, on campus): 100%
(Unseen 2-hour exam)

Rationale: The written examination will enable comprehensive testing of physiology, pharmacokinetic principles, complex processes and their application to optometry.

Formative Assessment:
Throughout the module, a number of formative assessment opportunities will be included, providing an indication on required depth of knowledge, feedback on performance ahead of the main summative module assessment. These may take the style of quizzes and practice exam question sessions.

Assessment tasks:

Examination (First Sit)
Description: Written Examination (invigilated, on campus): Unseen 2-hour exam
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Examination (Resit)
Description: Written Examination (invigilated, on campus): Unseen 2-hour exam
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Optometry [Glenside] MSci 2024-25