MODULE SPECIFICATION

Part 1: Information			
Module Title	Anatomy and Physiology for Optometry		
Module Code	UZYY4S-30-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Health & Applied Sciences	Field	Allied Health Professions
Department	HAS Dept of Allied Health Professions		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Educational Aims: This module will provide knowledge of fundamental biosciences necessary to understand clinical aspects of optometry.

Outline Syllabus: It will cover the structure and purpose of major body systems as they are relevant to ophthalmology, and the structure and function of the visual system from anterior eye to brain. Ocular haemodynamics will also be covered.

Students will learn the essential principles of genetics, and how various traits of the ocular system are inherited, plus principles of pathology and microbiology. Some common pathologies of the eye will also be covered.

The module will also provide knowledge of development of the visual system in utero.

Teaching and Learning Methods: The module will typically comprise of weekly contact lectures and online learning.

Part 3: Assessment

Component A is an online open book exam, with a 24 hour submission window, to be held part way though the module delivery.

Rationale: This will assess the underpinning theoretic aspects of the module relating to major body systems, cell pathology and genetics as per the learning outcomes. This will allow students to be assessed efficiently on factual knowledge as well as exploring more depth and application through longer answers.

Component B is an online open book exam, with a 24 hour submission window, to be held at the end of the module.

Rationale: This will assess the remaining learning outcomes of the module relating to greater depth in the visual system, relevant pathologies, and embryonic development (i.e. applied anatomy and physiology for the subject area). This will allow students to be assessed efficiently on factual knowledge as well as exploring more depth and application through longer answers.

Formative assessment: Students will be able to engage in formative quizzes and exam opportunities throughout the module.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Examination (Online) - Component A		30 %	Online examination (24 hours)
Examination (Online) - Component B	✓	70 %	Online examination (24 hours)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Examination (Online) - Component A		30 %	Online examination (24 hours)
Examination (Online) - Component B	✓	70 %	Online examination (24 hours)

Part 4: Teaching and Learning Methods

Learning Outcomes

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

Module Learning Outcomes	**Reference**
Demonstrate knowledge of the anatomy and physiology of the visual system	MO1
Describe the basic principles of genetics, pathology and microbiology and the basic principles of cell membrane physiology and cell biology	MO2
Demonstrate knowledge of the structure and function of major body systems	MO3
Understand the application of body systems to clinical ophthalmology	MO4
Exhibit knowledge of embryonic development of the visual system and eyes	MO5

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	168

	Total Independent Study Hours:	168
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	132
	Total Scheduled Learning and Teaching Hours:	132
	Hours to be allocated	300
	Allocated Hours	300
Reading List	*The reading list for this module can be accessed via the following link:* https://uwe.rl.talis.com/modules/uzyy4s-30-1.html	

Part 5: Contributes Towards
This module contributes towards the following programmes of study: