



MODULE SPECIFICATION

Part 1: Information			
Module Title	Anatomy and Physiology for Optometry		
Module Code	UZZY4S-30-1	Level	1
For implementation from	September 2018		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Health and Applied Sciences	Field	Allied Health Professions
Department	Allied Health Professions		
Contributes towards	BSc(Hons) Optometry		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>This module will provide knowledge of fundamental biosciences necessary to understand clinical aspects of optometry.</p> <p>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.</p> <p>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.</p> <p>The module will also provide knowledge of development of the visual system in utero.</p> <p>The module will typically comprise of weekly contact lectures and online learning.</p>

Part 3: Assessment: Strategy and Details

Component A is a 1 hour written exam, to be held part way through the module delivery. The exam will include MCQs and SAQs.

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 a 2 hour written exam, to be held at the end of the module. The exam will include MCQs and SAQs.

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.

Identify final timetabled piece of assessment (component and element)	Component B	
% weighting between components A and B (Standard modules only)	A:	B:
	30%	70%

First Sit

Component A (controlled conditions) Description of each element	Element weighting
1. 1 hour written exam	100%
Component B Description of each element	Element weighting
1. 2 hour written exam	100%

Resit (further attendance at taught classes is not required)

Component A (controlled conditions) Description of each element	Element weighting
1. 1 hour written exam	100%
Component B Description of each element	Element weighting
1. 2 hour written exam	100%

Part 4: Learning Outcomes & KIS Data

Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate knowledge of the anatomy and physiology of the visual system (component B). • Describe the basic principles of genetics, pathology and microbiology and the basic principles of cell membrane physiology and cell biology (component A). • Demonstrate knowledge of the structure and function of major body systems (component A). • Understand the application of body systems to clinical ophthalmology (component B).
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- Exhibit knowledge of embryonic development of the visual system and eyes (component B).

Key Information Sets Information (KIS)

Contact Hours

Key Information Set - Module data				
<i>Number of credits for this module</i>				
				30
Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours
300	132	168	0	300

Total Assessment

The table below indicates as a percentage the total assessment of the module which constitutes a;

Written Exam: Unseen or open book written exam

Coursework: Written assignment or essay, report, dissertation, portfolio, project or in class test

Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam (i.e. an exam determining mastery of a technique)

Total assessment of the module:	
Written exam assessment percentage	100%
Coursework assessment percentage	0%
Practical exam assessment percentage	0%
	100%

Reading List

The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. Current advice on reading will be available via the online module reading list.

<https://uwe.rl.talis.com/lists/12E1159B-D410-C942-A007-0A77D823EA58.html>

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Revision CAP Approval Date		Version	1	MIA 10695