



MODULE SPECIFICATION

Part 1: Information			
Module Title	Investigative Techniques		
Module Code	UZZY4U-15-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
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
<p>Educational Aims: This module will cover methods of anterior and posterior eye examination and procedures for determining visual function, such as visual acuity, colour vision and contrast sensitivity. It will also cover the theory of, and examination with, instrumentation for anterior and posterior eye evaluation (direct and indirect ophthalmoscopy).</p> <p>Outline Syllabus: The module will introduce students to the mechanisms of a slit lamp biomicroscope and will enable students to use a variety of techniques to assess the ocular health.</p> <p>The physiology of the visual pathway will be included and students will be exposed to some basic visual pathway anomalies. Non-contact tonometry will also be introduced, and students will be shown how to use a selection of non-contact instruments to measure the intraocular pressure.</p> <p>Biomedical research will form the latter part of the module – students will learn how to critically appraise research, particularly instrumentation validation, and the ethical dilemmas that present with biomedical research.</p> <p>Teaching and Learning Methods: This module will typically be delivered by weekly contact lectures, group work sessions and practical sessions</p>

STUDENT AND ACADEMIC SERVICES

Part 3: Assessment			
<p>Component A: Structured Oral and Practical Examination (maximum 1 hour) Alternatively (covid-related): Structured oral examination online (max 1 hour)</p> <p>Rationale: This will assess all aspects of the module ensuring that student's practical ability (such as slit lamp techniques, indirect ophthalmoscopy and non-contact tonometry) will be assessed and underpinned by sound knowledge of the principles and research considerations through a combination of practical tasks and oral questioning.</p> <p>Formative assessment: Students, in addition to practical skills sessions, will complete in-class tests and have the opportunity to receive formative feedback during module activities from both peers and tutors.</p>			
First Sit Components	Final Assessment	Element weighting	Description
Practical Skills Assessment - Component A	✓	100 %	Structured oral and practical examination (max 1 hour) Alternatively (covid-related): Structured oral examination online (max 1 hour)
Resit Components	Final Assessment	Element weighting	Description
Practical Skills Assessment - Component A	✓	100 %	Structured oral and practical examination (max 1 hour) Alternatively (covid-related): Structured oral examination online (max 1 hour)

Part 4: Teaching and Learning Methods											
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th>Module Learning Outcomes</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>Measure and assess visual function of patients of any age with appropriate tests and techniques</td> <td>MO1</td> </tr> <tr> <td>Demonstrate a variety of slit lamp techniques, and indirect ophthalmoscopy methods using hand-held and head-mounted instruments</td> <td>MO2</td> </tr> <tr> <td>Describe the visual pathway and some basic anomalies occurring in the pathway and use a variety of non-contact tonometry instruments</td> <td>MO3</td> </tr> <tr> <td>Demonstrate an understanding of the various methods and ethics used in biomedical research and statistical methods used to evaluate ophthalmic instrumentation</td> <td>MO4</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	Measure and assess visual function of patients of any age with appropriate tests and techniques	MO1	Demonstrate a variety of slit lamp techniques, and indirect ophthalmoscopy methods using hand-held and head-mounted instruments	MO2	Describe the visual pathway and some basic anomalies occurring in the pathway and use a variety of non-contact tonometry instruments	MO3	Demonstrate an understanding of the various methods and ethics used in biomedical research and statistical methods used to evaluate ophthalmic instrumentation	MO4
Module Learning Outcomes	Reference										
Measure and assess visual function of patients of any age with appropriate tests and techniques	MO1										
Demonstrate a variety of slit lamp techniques, and indirect ophthalmoscopy methods using hand-held and head-mounted instruments	MO2										
Describe the visual pathway and some basic anomalies occurring in the pathway and use a variety of non-contact tonometry instruments	MO3										
Demonstrate an understanding of the various methods and ethics used in biomedical research and statistical methods used to evaluate ophthalmic instrumentation	MO4										
Contact Hours	<table border="1"> <thead> <tr> <th colspan="2">Independent Study Hours:</th> </tr> </thead> <tbody> <tr> <td>Independent study/self-guided study</td> <td>90</td> </tr> <tr> <td>Total Independent Study Hours:</td> <td>90</td> </tr> </tbody> </table>	Independent Study Hours:		Independent study/self-guided study	90	Total Independent Study Hours:	90				
Independent Study Hours:											
Independent study/self-guided study	90										
Total Independent Study Hours:	90										

STUDENT AND ACADEMIC SERVICES

	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	60
	Total Scheduled Learning and Teaching Hours:	60
	Hours to be allocated	150
	Allocated Hours	150
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/modules/uzyy4u-15-1.html</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study: