UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title:	The Assessment and Management of Binocular Vision
Module Code:	OPT5008-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Optometry and Vision Science
Subject Area:	Optometry
FHEQ Level:	FHEQ Level 5
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	**Hours**
Lectures	48
Laboratory	12
Directed Study	140

Availability	
Occurrence	**Location / Period**
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

To develop an understanding of the normal and abnormal development of binocular vision and to enable students to apply this understanding in the clinical evaluation and management of patients with binocular vision dysfunction.

Outline Syllabus

Spatial localisation and stereoscopic vision. Clinical assessment of stereopsis. The identification and measurement of ocular deviations using objective and subjective methods. Evaluation of the motor control of ocular deviations. Measurement of vergence. Fixation disparity. Mallett units. The near vision complex and AC/A ratio. Sensory adaptations to strabismus. The classification and management of concomitant ocular deviations.

Characteristics and investigation of incomitant strabismus and its optometric management. Introduction to nystagmus and neuro-opthalmology. Development of binocular vision and the consequences of its abnormal development. Amblyopia. Paediatric optometry: managing the child patient; children's tests.

The clinical portfolio is a completed portfolio of evidence of clinical experience and skills, to include competence in practical techniques and interpretation of results. Although this element does not contribute to the final mark for this module, this element must be passed.

Learning Outcomes

1	Describe the basic principles of normal development of binocular vision.
2	Explain anomalies of visual development.
3	Describe the incidence and demographics of binocular vision anomalies.
4	Identify and classify anomalies of binocular vision.
5	Analyse clinical information from binocular vision tests and formulate appropriate tentative diagnoses.
6	Analyse clinical information from binocular vision tests and formulate appropriate management options for patient care.
7	Refine problem-solving skills.
8	Examine web-sites, CD-ROMs and video-tapes through directed study.
9	Review new information, concepts and evidence from a range of sources.

Learning, Teaching and Assessment Strategy

The module is based on a lecture series and supported by video-taped and CD-ROM material.
1. The fundamental principles relating to the assessment and management of binocular vision anomalies are covered in formal lectures.
2. Practical classes are used to develop basic skills and assess competence in fundamental clinical examination techniques. In order to provide exposure to the appearance of a variety of binocular vision anomalies the interpretation of video recordings of patient examinations is used.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Clinical portfolio of evidence of clinical experience and skills PASS/FAIL	0 hours	%
Summative	Computerised examination	Closed book computerised examination via QMP (including MCQ) at the	2 hours	100%

		end of the module		

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.