

Module Details	
Module Title	Ophthalmic Lenses and Dispensing
Module Code	OPT5002-B
Academic Year	2021/2
Credits	20
School	School of Optometry and Vision Science
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Directed Study	140
Practical Classes or Workshops	12
Seminars	24
Online Lecture (Asynchronous)	24

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
To stimulate an understanding of the fundamental principles of simple and complex lens types and knowledge of their performance. To enable students to analyse their suitability in a variety of situations.

Outline Syllabus
Lens form. Surface power. Transposition. Toric lenses. Focimeter. Ophthalmic prisms. Prismatic effect of ophthalmic lenses. Spectacle frame description. Frame and facial measurements. Spectacle lens material. Lens surfacing. Lens aberrations. Bifocal, trifocal and multifocal lenses. Thick lens theory as applied to moderate to high power prescriptions. Best form lens theory. Near vision effectivity in spherical and astigmatic prescriptions. Trial case lenses. Aspheric lenses. Tints and coatings. Frame materials.

Learning Outcomes	
Outcome Number	Description
01	Describe the form and optical characteristics of simple and advanced types of ophthalmic lenses, including multifocal and aspheric lenses.
02	Analyse patient requirements in ophthalmic lens dispensing and apply knowledge of ophthalmic lenses to select appropriate appliances.
03	Describe the information gained from measurements of optical appliances.
04	Refine ability to take accurate and repeatable measurements and record these in a clear and concise manner.
05	Demonstrate an ability to handle data accurately and confidently.
06	Refine problem-solving skills.

Learning, Teaching and Assessment Strategy
This module is based on a series of pre-recorded online presentations, supported by online seminars and practical sessions.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Examination - Closed Book	Closed book unseen written exam (2 Hrs)	70%
Summative	Examination - practical/laboratory	Practical assessment week 24 (1 Hr)	30%

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.

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