

Module Details	
Module Title	Optometric Skills - Dispensing Optician (Accelerated Route)
Module Code	OPT4015-E
Academic Year	2020/1
Credits	60
School	School of Optometry and Vision Science
Subject Area	Optometry
FHEQ Level	FHEQ Level 4
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Lectures	54
Placement	180
Tutorials	2
Laboratories	8
Directed Study	356

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

Module Aims
<p>To develop the ability to apply basic practical skills in objective and subjective refraction and to competently use clinical ophthalmic instruments as part of the optometrist`s role of assessing ocular health.</p> <p>To stimulate an understanding of the basics of contact lens practice. To consider the principles of practical contact lens fitting, and the requirements for successful fitting in terms of patient and lens characteristics.</p>

Outline Syllabus

An introduction to clinical observation & description skills; slit lamp biomicroscopy; indirect ophthalmoscopy using the slit lamp biomicroscope; observation & description of ocular structures (adnexa, anterior segment, crystalline lens, ocular fundus); tonometry (primarily non-contact); visual pathway assessment (perimetry, pupils).

Assessment of refractive error and acuity measurement. Retinoscopy; Subjective refraction; Planning practice learning programme.

Practical clinical sessions: Slit lamp biomicroscopy; Indirect ophthalmoscopy; Non Contact tonometry; Visual pathway assessment (perimetry, pupils); Retinoscopy; Subjective refraction; Combining retinoscopy & subjective refraction.

Directed Learning: Development of basic competency in Slit Lamp Biomicroscopy, Slit Lamp based Binocular Indirect Ophthalmoscopy, Non-Contact Tonometry & Visual Field Assessment through examination of staff and colleagues in optometric practice & examination of a model eye. Measurement of visual acuity at distance & near. Basic competency in retinoscopy & subjective refraction through examination of staff & colleagues in optometric practice. Observation of common ocular conditions & common problems associated with the use of a retinoscope & subjective refraction under the direct supervision of an optometrist. Assess suitability of any patients for contact lenses. Toric, presbyopic & therapeutic contact lens fitting. Common contact lens types and modalities, along with their indications. Fitting contact lenses along with techniques required for adequate aftercare.

Learning Outcomes	
Outcome Number	Description
01	Apply the basic principles of optics which underpin subjective and objective refraction.
10	Handle contact lenses in a safe and hygienic manner.
11	Demonstrate appropriate clinical judgement in simple contact lens fittings.
12	Analyse clinical information from contact lens examinations and formulate tentative diagnoses & management strategies.
13	Construct a practice learning programme in support of clinical skill development.
14	Follow a plan of actions to meet set targets.
15	Work together in small teams in support of career development.
16	Maintain a reflective logbook to demonstrate development of clinical skills.
17	Develop practitioner communication skills.
18	Demonstrate problem-solving skills in a variety of cases.
19	Access a variety of digital media through directed study.
02	Explain the role of instrumentation for the examination of visual and ocular health.
03	Understand contact lens fitting and contact lens wear.
04	Understand the options available in terms of contact lenses.
05	Understand the ocular consequences of contact lens wear and demonstrate an ability to deal with undesirable changes.
06	Retinoscopy on a human subject to a basic level of competence.
07	Subjective refraction using appropriate techniques to a basic level of competence.
08	Describe the information gained from the use of commonly used ophthalmic instruments.
09	Examine a patient`s eyes in a safe systematic manner with a selection of instruments.

Learning, Teaching and Assessment Strategy
<p>This is a work-based learning module supported by a study guide, and lectures and practical tuition within the Department. Students will be required to develop a practice learning programme in support of the learning outcomes described below. Practical skills will be developed in optometric practice under the guidance of qualified optometrists. Practical clinical sessions will support you in developing your clinical skills in basic contact lens fitting and handling.</p>

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Examination - Closed Book	Closed book, unseen written examination on contact lenses (Must Pass at 40%)	3 hour	33%
Summative	Computer-based assessment	Closed book computerised examination	1 hour	9%
Summative	Clinical Assessment	Clinical Portfolio - Comp rec of prac. skills in slit lamp, indirect ophthalmoscopy, non-contact tonometry & perimetry	1 hour	33%
Summative	Clinical Assessment	General clinical station exams: distributed throughout stage	N/A	25%
Summative	Coursework	A series of clinical skills, competency assessments - PASS/FAIL	1 hour 30 mins	0%
Summative	Clinical Assessment	Clinical logbook rec. a portfolio of contact lens prac. carried out during practical sessions. PASS/FAIL	N/A	0%

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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