

Module Details	
Module Title	Optometric Skills - Contact Lens Optician (Accelerated Route)
Module Code	OPT4014-V
Academic Year	2022/3
Credits	50
School	School of Optometry and Vision Science
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Lectures	48
Placement	180
Tutorials	2
Laboratories	4
Directed Study	266

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Non-Standard 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 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; indirect ophthalmoscopy; observation & description of ocular structures (anterior segment, lens, ocular fundus); tonometry (primarily non-contact); visual pathway assessment (perimetry, pupils).

Assessment of refractive error & acuity measurement (logMAR & Snellen). 4. Retinoscopy; 5. Subjective refraction; 6. Planning practice learning programme.

Practical clinical sessions:

1. Slit lamp biomicroscopy;
2. Indirect ophthalmoscopy;
3. Non Contact tonometry;
4. Visual pathway assessment;
5. Retinoscopy;
6. Subjective refraction;
7. Combining retinoscopy & subjective refraction.

Directed learning:

1. 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 the model eyes supplied.
2. Measurement of visual acuity using standard optometric charts.
3. Development of basic competency in retinoscopy & subjective refraction.
4. Observation of common ocular conditions & common problems associated with the use of a retinoscope & subjective refraction under the direct supervision of an optometrist. The suitability of any prospective patient for contact lenses. The procedures adopted in fitting advanced contact lenses are covered, including toric, presbyopic & therapeutic contact lenses. Different refractive surgery techniques are compared, particularly in relation to their advantages & disadvantages.

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

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 further development of your clinical skills in contact lens fitting.</p> <p>The contact lenses written exam is a MUST PASS assessment and students must achieve a mark of at least 40% in this component.</p>

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Examination - Closed Book	Closed book, unseen written examination on contact lenses (1.5 Hrs) (Must Pass at 40%)	20%
Summative	Computer-based assessment	Closed book computerised examination (1 Hrs)	10%
Summative	Clinical Assessment	General Clinical station exams (1.5 Hrs)	30%
Summative	Clinical Assessment	Clinical portfolio - Comp rec of prac skills in slit lamp, indirect ophthalmoscopy, non-contact tonometry & perimetry	40%
Summative	Clinical Assessment	A Series of Clinical Skills, Competency Assessments (PASS/FAIL)	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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