

## Optometric Skills - Dispensing Optician (Accelerated Route)

Module Code:	OPT4015-E
Academic Year:	2018-19
Credit Rating:	60
School:	School of Optometry and Vision Science
Subject Area:	Optometry
FHEQ Level:	FHEQ Level 4

Pre-requisites:

Co-requisites:

### Contact Hours

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

### Availability Periods

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

### Module Aims

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.

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.

### 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. 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

### **Module Learning Outcomes**

*On successful completion of this module, students will be able to...*

- 1 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.
- 2 Explain the role of instrumentation for the examination of visual and ocular health.
- 3 Understand contact lens fitting and contact lens wear.
- 4 Understand the options available in terms of contact lenses.
- 5 Understand the ocular consequences of contact lens wear and demonstrate an ability to deal with undesirable changes.

- 6 Retinoscopy on a human subject to a basic level of competence.
- 7 Subjective refraction using appropriate techniques to a basic level of competence.
- 8 Describe the information gained from the use of commonly used ophthalmic instruments.
- 9 Examine a patient`s eyes in a safe systematic manner with a selection of instruments.

### **Learning, Teaching and Assessment Strategy**

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.

### **Mode of Assessment**

<b>Type</b>	<b>Method</b>	<b>Description</b>	<b>Length</b>	<b>Weighting</b>	<b>Final Assess'</b>
Summative	Examination - closed book	Closed book, unseen written examination on contact lenses in semester 3 examination period	1.5 hours	20%	Yes
Summative	Computer-based assessment	Closed book computerised examination (inc MCQ) at the end of the module)	1 hour	7%	No
Summative	Computer-based assessment	Closed book, unseen computerised examination on contact lenses via BlackBoard in semester 2 examination period	1.5 hours	13%	No

Summative	Clinical Assessment	Clinical station examination in subjective and objective refraction examination period	2 hours	20%	No
Summative	Clinical Assessment	Clinical station examination in ocular health assessment (SL, BIO, NCT)	1.5 hours	13%	No
Summative	Clinical Assessment	Clinical Portfolio - Comp rec of prac. skills in slit lamp, indirect ophthalmoscopy, non-contact tonometry & perimetry		27%	No
Summative	Clinical Assessment	Clinical logbook rec. a portfolio of contact lens prac. carried out during practical sessions. PASS/FAIL		%	No

### Legacy Code (if applicable)

OP-0412B

### Reading List

To view Reading List, please go to [rebus:list](#).