

Optometric Skills - Contact Lens Optician (Accelerated Route)

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| Module Code: | OPT4014-V |
| Academic Year: | 2018-19 |
| Credit Rating: | 50 |
| School: | School of Optometry and Vision Science |
| Subject Area: | Optometry |
| FHEQ Level: | FHEQ Level 4 |

Pre-requisites:

Co-requisites:

Contact Hours

| Type | Hours |
|----------------|-------|
| Lectures | 48 |
| Placement | 180 |
| Tutorials | 2 |
| Laboratory | 4 |
| Directed Study | 266 |

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 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; 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.

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 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
- 2 Explain the role of instrumentation for the examination of visual and ocular health.
- 3 Explain specialised aspects of contact lens fitting and contact lens wear.

- 4 Explain the ocular consequences of contact lens wear and demonstrate an ability to deal with undesirable changes.
- 5 Perform retinoscopy on a human subject to a basic level of competence.
- 6 Undertake subjective refraction using appropriate techniques to a basic level of competence.
- 7 Describe the information gained from the use of commonly used ophthalmic instruments.
- 8 Examine a patient`s eyes in a safe systematic manner with a selection of instruments.
- 9 Analyse clinical information from contact lens examinations and formulate appropriate tentative diagnoses and management strategies.

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 further development of your clinical skills in contact lens fitting.

Mode of Assessment

| Type | Method | Description | Length | Weighting | Final Assess' |
|-------------|---------------------------|--|---------------|------------------|----------------------|
| Summative | Examination - closed book | Closed book, unseen written examination on contact lenses in semester 3 examination period | 1.5 hours | 23% | No |
| Summative | Computerised examination | Closed book computerised examination via Blackboard (inc MCQ) at the end of the module | 1 hour | 8% | No |
| Summative | Clinical Assessment | Clinical station examination in subjective and | 2 hours | 23% | No |

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|-----------|---------------------|---|-----------|-----|-----|
| | | objective refraction | | | |
| Summative | Clinical Assessment | Clinical station examination in ocular health assessment (SL, BIO, NCT) | 1.5 hours | 15% | Yes |
| Summative | Clinical Assessment | Clinical portfolio - Comp rec of prac skills in slit lamp, indirect ophthalmoscopy, non-contact tonometry & perimetry | | 31% | 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-0413F

Reading List

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