MODULE SPECIFICATION

KEY FACTS

<table>
<thead>
<tr>
<th>Module name</th>
<th>Professional Higher Certificate in Contact Lenses</th>
</tr>
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<tbody>
<tr>
<td>Module code</td>
<td>OVM057</td>
</tr>
<tr>
<td>School</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>Department or equivalent</td>
<td>Division of Optometry and Visual Science</td>
</tr>
<tr>
<td>UK credits</td>
<td>30</td>
</tr>
<tr>
<td>ECTS</td>
<td>7.5</td>
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<td>Level</td>
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MODULE SUMMARY

Module outline and aims

The subject of contact lenses is part of the initial qualification obtained by an optometrist. It is a speciality that a significant number of the profession do not pursue following registration due to their reluctance to deal with the potential for causing short- and long-term changes to ocular health. The Contact Lens Practice module has been devised to enable optometrists to deal more confidently and effectively with the management of contact lens patients in the community or hospital setting.

Content outline
This module aims to provide community and hospital based optometrists with an in-depth and systematic understanding of specialist contact lens fitting e.g. regular and irregular astigmatism, presbyopia, myopia control and orthokeratology. Additionally, the module will provide in-depth and systematic understanding of complications induced by contact lens (CL) wear. Other topics include:

- The regular/irregular astigmatism
- Lens care products and ocular lubricants
- Clinical applications of corneal topography
- Tear film assessment
- Paediatric lens fitting
- Practical session – Presbyopia
- CL related complications
- Detection of dry eye
- Management of dry eye
- Modern CL materials
- Practical session – dry eye
- Record keeping
WHAT WILL I BE EXPECTED TO ACHIEVE?

Following completion of the programme, you will be expected to:

Knowledge and understanding:

- A detailed knowledge of lens design and manufacture for RGP and hydrogel contact lenses, including verification
- An ability to fit and assess a range of RGP lens designs
- An ability to fit a range of contact lenses to correct regular and irregular astigmatism, such as early keratoconus
- An ability to fit a range of contact lenses to correct presbyopia
- An understanding of myopia control and orthokeratology
- An ability to provide ongoing management and advice for maintain healthy contact lens wear
- An ability to detect, assess and manage the impact of contact lens complications on the anterior eye
- An ability to manage the dry eye in contact lens practice
- A detailed knowledge of currently available contact lens care products and ocular lubricants
- An ability to produce a comprehensive contact lens record
- An ability to communicate effectively with contact lens patients, fellow professional and contact lens manufacturers and suppliers
- A detailed knowledge of current legislation and guidelines in contact lens practice

Skills:

- Exercise and further develop the analytical skills required in the field of contact lenses
- Interpret and critically review research pertaining to contact lens practice
- Demonstrate a refinement of your analytical and problem-solving skills
- Make judgements from the presentation of a patient requiring contact lenses for therapeutic purposes
- Critically evaluate a therapeutic contact lens patient’s problems and exercise professional judgement in patient management
- Advance your own knowledge and understanding and develop skills to a high level
- Analyse the implications of fitting complex contact lens designs
- Adapt skills and interpret clinical results appropriately and safely
- Synthesise knowledge gained from the module and apply to clinical practice
- Be critically aware of the physiological consequences of specialist lenses
- Refine clinical problem-solving skills and operate in a complex and unpredictable environment with an overview of the issues governing best practice
- Fit advanced and specialist spherical and aspheric designs, lenses to correct astigmatism and lenses for presbyopia.

Values and attitudes:

- Show an appropriate professional attitude towards patients and colleagues
- Show an awareness of ethical practice
HOW WILL I LEARN?

The module is mainly didactic in learning with several practical sessions. The module runs over three days with at least 30 hours of learning, comprising of lectures, demonstrations/practical sessions and tutorials. You are given comprehensive notes at the beginning of the module to facilitate learning.

Teaching pattern:

<table>
<thead>
<tr>
<th>Teaching component</th>
<th>Teaching type</th>
<th>Contact hours (scheduled)</th>
<th>Self-directed study hours (independent)</th>
<th>Placement hours</th>
<th>Total student learning hours</th>
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</thead>
<tbody>
<tr>
<td>Lectures, practical classes and workshops and demonstrations</td>
<td>Lectures, practical classes and workshops and demonstrations</td>
<td>24</td>
<td>270</td>
<td>0</td>
<td>294</td>
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<tr>
<td>On-line lectures</td>
<td></td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>6</td>
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<tr>
<td>Totals</td>
<td></td>
<td>30</td>
<td>270</td>
<td>0</td>
<td>300</td>
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WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?

Component 1

<table>
<thead>
<tr>
<th>Assessment component</th>
<th>Assessment type</th>
<th>Weighting</th>
<th>Minimum qualifying mark</th>
<th>Pass/Fail?</th>
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<tbody>
<tr>
<td>MCQs (multiple choice questions)</td>
<td>Written exam</td>
<td>15%</td>
<td>-</td>
<td>n/a</td>
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<tr>
<td>VRICS (Visual recognition and interpretation of clinical signs)</td>
<td>Written exam</td>
<td>5%</td>
<td>-</td>
<td>n/a</td>
</tr>
<tr>
<td>PMCS (Patient management case scenarios)</td>
<td>Written exam</td>
<td>5%</td>
<td>-</td>
<td>n/a</td>
</tr>
<tr>
<td>OSCES (objective structured clinical examinations)</td>
<td>Practical skills assessment</td>
<td>25%</td>
<td>-</td>
<td>n/a</td>
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</table>
The overall pass mark for the 30 credit module is an aggregate mark of 50%.

**Assessment Structure**

Knowledge components of competences will be tested using a written exam of 60 MCQs, 20 questions of Visual recognition and interpretation of clinical signs (VRICS), and 4-6 Patient management case scenarios (PMCS).

**Written exam:**
Including:
- Standard MCQs
- Visual recognition and interpretation of clinical signs
- Patient Management Case Scenarios

Key clinical competencies and patient management will be assessed by Objective Structured Clinical Examination (OSCEs), which counts for 50% of the module mark. An overall mark of 50% must be obtained in the OSCEs, and 4 out of 6 stations must be passed in order to pass the module.

**OSCES:**
The OSCE will consist of 6 OSCES:
Students will be tested on each of the following ‘skills’ twice.
1. Fit an appropriate RGP lens x 2
2. Fit a range of contact lenses to correct regular and irregular astigmatism including keratoconus x 2
3. Fit a range of contact lenses to correct presbyopia x 2

The OSCE will use a weighted itemised objective check list. Each individual question is given a percentage weighting and multiplied by the score e.g. 0, 1, 2 or 3. Examiners will also be required to score the candidate as:
- Good pass
- Pass
- Borderline
- Clear Fail

The requirement to pass the OSCE will be consistent with the regulations for other modules (with College approval) that include OSCE i.e. >50% mean score and minimum of 4 passes out of the 6 stations. Pass fail criteria for the OSCE will be determined by discussion within the examiner group and included in the examiner briefing pack.

**LOG BOOK AND CASE RECORDS**
- Log book of 50 patient episodes directly examined by the candidate; the patient episodes must be on a minimum of 20 patients; note that a patient episode is a patient visit and it is assumed that some patients will be seen on several occasions
- A separate presentation of 10 full case records, which cover a range of individual patients and clinical needs, of which six records will be sampled
Case records to include a range of follow-up periods of between 1-24 months

Log book and case records will be assessed according to the criteria in the assessment guidelines.

Students will attend also attend an oral examination (one hour) based on the log book and case records at least four weeks after submission (oral examinations will run twice per year).

Resit Provisions
If the Assessment Board for the Programme requires that a resit be conducted then you should normally resit any component where the component pass mark has not been reached, but the component mark will be capped at 50% irrespective of the original/resit component marks. The marks gained for the rest of the components will stand.

Assessment criteria

Assessment Criteria are descriptions of the skills, knowledge or attributes students need to demonstrate in order to complete an assessment successfully and Grade-Related Criteria are descriptions of the skills, knowledge or attributes students need to demonstrate to achieve a certain grade or mark in an assessment. Assessment Criteria and Grade-Related Criteria for module assessments will be made available to students prior to an assessment taking place. More information will be available from the module leader.

Feedback on assessment

Following an assessment, students will be given their marks and feedback in line with the Assessment Regulations and Policy. More information on the timing and type of feedback that will be provided for each assessment will be available from the module leader.

Assessment Regulations

The overall pass mark for the module is an aggregate mark of 50% in each of the two components (i) Written exam/OSCE and (ii) Submission of log book and case records/oral assessment. Any minimum qualifying marks for specific assessments are listed in the table above. The weighting of the different components can also be found above. The Programme Specification contains information on what happens if you fail an assessment component or the module

INDICATIVE READING LIST


Notes relating to each lecture are provided on-line. Individual lecture notes also specify recommended further reading (including journal articles and research reports).

Version: 1.0  
Version date: 25 March 2015  
For use from: 2015-16

Appendix:

<table>
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<tr>
<th>CODES</th>
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<tr>
<td><strong>HESA Code</strong></td>
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<td>106</td>
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<table>
<thead>
<tr>
<th><strong>JACS Code</strong></th>
<th><strong>Description</strong></th>
<th><strong>Percentage (%)</strong></th>
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<tbody>
<tr>
<td>B510</td>
<td>The study of the principles and techniques for examining, diagnosing and treating conditions of the human visual system</td>
<td>100</td>
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