MODULE SPECIFICATION

KEY FACTS

<table>
<thead>
<tr>
<th>Module name</th>
<th>Professional Certificate in Paediatric Eye Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module code</td>
<td>OVM037</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>15</td>
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<tr>
<td>ECTS</td>
<td>7.5</td>
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<tr>
<td>Level</td>
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MODULE SUMMARY

Module outline and aims

Most optometrists work in the community and are ideally placed to assist in the early detection of ocular problems. This module prepares optometrists for advanced paediatric practice in independent and shared care. The module reviews development of the visual system through infancy and childhood, including normal levels for different age groups. The module focuses on optimising the eye examination for paediatric patients and how best to communicate with infants, children, carers, parents and schools. It also includes the testing, interpretation and management of binocular vision abnormalities and specific learning difficulties.

This module aims to provide you with:
- a comprehensive knowledge of normal and abnormal visual development
- an advanced knowledge of common causes of visual impairment in childhood
- in-depth knowledge and practical skills enabling you to assess visual function and make informed evidence-based management decisions
- a systematic knowledge of paediatric visual problems, dispensing, colour vision, orthoptic anomalies and specific learning difficulties
- an overview of paediatric ophthalmology

Content outline

On this module, you will learn about:
Visual Development and common abnormal visual outcomes
Vision screening pathways
History and symptoms
Assessment of infants’ and children’s’ visual function
Ocular health in infants and children
Developmental disabilities e.g. SLD, dyslexia and other abnormalities
Prescribing and dispensing
Management plans for infants and children
Communication
Safeguarding children

Workshops
1. Refraction/Acuity/CS
2. Stereopsis
3. Convergence/accommodation
4. Ocular health assessment
5. Prescribing
6. Dispensing
7. Case-based discussions (to include communication)

WHAT WILL I BE EXPECTED TO ACHIEVE?

On successful completion of this module, you will be expected to be able to:

Knowledge and understanding:
- Demonstrate an in-depth knowledge of paediatric optometry including prescribing criteria, amblyopia therapy, visual therapy and referral criteria
- Demonstrate a systematic understanding of the various techniques for investigating children's visual functions and ocular health
- Provide a detailed explanation of, and differentiate between, ocular pathology affecting the paediatric population group

Skills:
- Exercise and further develop the analytical skills required in the field of paediatric optometry
- Demonstrate a refinement of your analytical and problem-solving skills
- Analyse and synthesise the optometric requirements of a child in practice and evaluate and assess the results of clinical examinations
- Advance your own knowledge and understanding and develop your skills to a high level
- Synthesise information from a number of sources in order to develop your overall knowledge and understanding
- Communicate effectively with children, parents, relatives and carers
- Refine clinical problem-solving skills
Use appropriate judgement in patient management
- Use new techniques to diagnose paediatric ocular problems
- Operate in a complex and unpredictable environment with an overview of the issues governing best practice
- Refer paediatric patients appropriately

Values and attitudes:
- Use appropriate interpersonal and communication skills
- Show an appropriate professional attitude towards patients, their guardians and colleagues
- Show an awareness of ethical practice

HOW WILL I LEARN?

It is well-established that adult learners learn best in smaller groups and with greater interaction. The module therefore uses group work and case discussions as well as lectures and a Virtual Learning Environment called Moodle, where module materials and resources may be accessed. All lecturers are experts and encourage questions and discussion during their teaching. Some will also include specific interaction sessions to encourage critical thinking and to allow you to put what you have learnt into practice. Practical sessions work in groups of about 5/6 allowing you some hands-on experience and the chance to ask in-depth questions. Finally, case discussions allow group discussion about specific cases.

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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<tbody>
<tr>
<td>Online Materials</td>
<td>Online</td>
<td>5.5</td>
<td>24.5</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>Lectures, practical classes and workshops, demonstrations</td>
<td>Lectures</td>
<td>21.5</td>
<td>98.5</td>
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<td>120</td>
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</table>

Totals

<p>| | | | | | |</p>
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<tr>
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<td>27</td>
<td>123</td>
<td>0</td>
<td>150</td>
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WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?
The assessment will consist of three written assessments. You must pass each of the components to be awarded a module pass. Questions will test your critical and evaluative understanding, clinical recognition skills, ability to differentially diagnose and application of knowledge. The assessment consists of:

OSCEs
SAQs
Patient management case scenarios (which test your ability to analyse clinical results and manage patients appropriately)
Case records

Assessment pattern:

<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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</thead>
<tbody>
<tr>
<td>Patient management case scenario Exam</td>
<td>Written Exam</td>
<td>20</td>
<td>50</td>
<td>N/A</td>
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<tr>
<td>SAQ Exam</td>
<td>Written Exam</td>
<td>10</td>
<td>50</td>
<td>N/A</td>
</tr>
<tr>
<td>Case records</td>
<td>Written Exam</td>
<td>20</td>
<td>50</td>
<td>N/A</td>
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<tr>
<td>OSCE</td>
<td>Practical skills</td>
<td>50</td>
<td>50</td>
<td>Y</td>
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All components have a pass mark of 50% and the OSCEs must be passed by achieving over 50% and passing 4 out of 6 stations.

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 you need to demonstrate in order to complete an assessment successfully and Grade-Related Criteria are descriptions of the skills, knowledge or attributes you 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 you prior to an assessment taking place. More information will be available from the module leader.

Feedback on assessment

Following an assessment, you will be given your 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**

**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. Each component must be passed at 50%.**

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**


**Journals**


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

<table>
<thead>
<tr>
<th>CODES</th>
<th>Description</th>
<th>Price Group</th>
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<tbody>
<tr>
<td>HESA Code</td>
<td>Description</td>
<td>Price Group</td>
</tr>
<tr>
<td>4</td>
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<tr>
<th>JACS Code</th>
<th>Description</th>
<th>Percentage (%)</th>
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<tbody>
<tr>
<td>B510</td>
<td>The study of the principles and techniques for</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>examining, diagnosing and treating conditions of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the human visual system</td>
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