MODULE SPECIFICATION

KEY FACTS

<table>
<thead>
<tr>
<th>Module name</th>
<th>Advanced Ophthalmic Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module code</td>
<td>OVM062</td>
</tr>
<tr>
<td>School</td>
<td>School of Heath 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>
<td>7</td>
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</table>

MODULE SUMMARY

Module outline and aims

The purpose of this module is to extend student or current practitioner knowledge and skills in ophthalmic assessment using techniques that are familiar and unfamiliar to (so that participants can be from nursing or orthoptist)practice, and taking into account the available evidence base for these techniques.

The aim of this module will be to facilitate practitioners’ expanding role in ophthalmic settings. It will build on existing skills and knowledge. Central themes of this module will be decision-making and implementing and evaluating patient needs.

Content outline

This module will include on-line material as well as face-to-face tutorials and workshops on a range of topics including:

- History-taking
- Evidenced Based Practice
- Contrast sensitivity
- Measurement of visual function
- Retinal structure.

Tutorials/workshops will include:

- Slit-lamp examination
- Case based discussions
- Indirect ophthalmoscopy
- Fundoscopy ( popular demand from nurses)
- Fundus auto fluorescence
- Heidelberg Retinal topography (HRT)
- Optical Coherence topography (OCT)
- Electro diagnostics (ERGs, EOGs and VEPs)
- Gonioscopy
- Perkins/Goldman Tonometry
- Lacrimal syringing and punctal plugs
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 a critical awareness of advanced methods of assessing visual function informed by the best available evidence
• Provide a detailed explanation of, and differentiate between various advanced techniques in order to provide a clearer clinical diagnosis
• Demonstrate a critical awareness of how ophthalmic techniques inform current clinical management strategies

Skills:

• Make evidence-based clinical decisions based on a variety of sources of information and evaluate the necessity of undertaking appropriate advanced clinical investigations
• Critically evaluate the results obtained from conducting a variety of advanced ophthalmic investigations
• Show enhanced application of clinical problem-solving skills
• Exercise and further develop the analytical skills required for academic study and enquiry
• Interpret and synthesise multiple test results of investigations to manage a patient appropriately and safely
• Demonstrate a refinement of your analytical and problem-solving skills in a variety of theoretical and practical situations
• Interpret and critically review vision research pertaining to advanced ophthalmic investigations in order to review current clinical care

Values and attitudes:

• Show an appropriate professional attitude towards colleagues and patients
• Exhibit ethical conduct that exemplify professional optometric standards

HOW WILL I LEARN?

It is well-established that adult learners learn best in smaller groups and with greater interaction. The module is therefore designed using different learning methods so that we can use the most appropriate teaching methods: the first day is delivered online using our Virtual Learning Environment (VLE) called Moodle. This allows you to study the background materials in your own time and as needed. This flexible approach also reduces time away from your practice with all of its cost implications. However, it is very important that you have significant face to face learning and so the remainder of the module is taught in didactic sessions of up to 32 students with the addition of group work and case discussions.
All lecturers are experts in relevant areas and encourage questions and discussion during their teaching. Some will also include specific interactive sessions to encourage critical thinking and to allow you to put what you have learnt into practice.

Practical sessions involve small groups to enable you some hands-on experience and the chance to ask in-depth questions. Finally, virtual case presentations allow for peer discussions 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>8 hours of online materials</td>
<td>Guided Independent study</td>
<td>8</td>
<td>22</td>
<td>0</td>
<td>30</td>
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<tr>
<td>10 hours of lectures</td>
<td>Lectures</td>
<td>10</td>
<td>107</td>
<td>0</td>
<td>114</td>
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<tr>
<td>3 hours</td>
<td>Tutorials</td>
<td>3</td>
<td></td>
<td></td>
<td>6</td>
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<tr>
<td>Totals</td>
<td></td>
<td></td>
<td></td>
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<td>21 129 0 150</td>
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</table>

**WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?**

**Assessments**

Assessment will consist of two written exams totally 3 hours. Questions will test your critical thinking and evaluative understanding, clinical recognition skills, ability to differentially diagnose and the application of knowledge. The assessment will consist of:

- 30 MCQs (based on all aspects of the module)
- 7 Patient management case scenarios (PMCS) (which test your ability to analyse clinical results and manage patients appropriately)

**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>
</tr>
</thead>
<tbody>
<tr>
<td>PMCS</td>
<td>Written exam</td>
<td>70%</td>
<td>50%</td>
<td>n/a</td>
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<tr>
<td>MCQ exam</td>
<td>Written exam</td>
<td>30%</td>
<td>50%</td>
<td>n/a</td>
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Assessment criteria
Information on the above module assessment criteria and grade-related criteria can be found on the module space in Moodle.

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 on Moodle.

Feedback on assessment

Following an assessment, you will be given your marks and feedback in line with the Assessment Regulations and Policy within four weeks of the examination date. More information on the timing and type of feedback that will be provided for each assessment will be available from the module leader.

If you would like to know more about the way in which assessment works at City, please see the full version of the Assessment Regulations at: [http://www.city.ac.uk/__data/assets/word_doc/0003/69249/s19.doc](http://www.city.ac.uk/__data/assets/word_doc/0003/69249/s19.doc)

Assessment Regulations

The Pass mark for the module is 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


Kanski, J.J. (2010) *Signs in ophthalmology: Causes and differential*


Version: 1.0
Version date: 22 February 2019
For use from: 2019-20

**Appendix:** see [http://www.hesa.ac.uk/content/view/1805/296/](http://www.hesa.ac.uk/content/view/1805/296/) for the full list of JACS codes and descriptions

<table>
<thead>
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<th>CODES</th>
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<tbody>
<tr>
<td><strong>HESA Code</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>4</td>
<td>Anatomy of Physiology</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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