# Module Specification

## ABOUT THIS DOCUMENT

This module specification applies for the academic year 2018-19

**Last revised:** 20 June 2018 by John Buchan

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## GENERAL INFORMATION

<table>
<thead>
<tr>
<th><strong>Module name</strong></th>
<th>Epidemiological Methods Applied to Eye Diseases</th>
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<tbody>
<tr>
<td><strong>Module code</strong></td>
<td>3400</td>
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<tr>
<td><strong>Module Organiser</strong></td>
<td>John Buchan</td>
</tr>
<tr>
<td><strong>Contact email</strong></td>
<td><a href="mailto:John.Buchan@lshtm.ac.uk">John.Buchan@lshtm.ac.uk</a></td>
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<tr>
<td><strong>Home Faculty</strong></td>
<td>Infectious &amp; Tropical Diseases</td>
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<tr>
<td><strong>Level</strong></td>
<td>Level 7 (postgraduate Masters ‘M’ level) of the QAA Framework for Higher Education Qualifications in England, Wales &amp; Northern Ireland (FHEQ)</td>
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<td><strong>Credit</strong></td>
<td>10 credits, within the larger 60-credit Term 1 super-module for each MSc programme. Credits are not awarded for this module individually, but only for successful completion of the Term 1 super-module.</td>
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<tr>
<td><strong>Accreditation</strong></td>
<td>Not currently accredited by any other body</td>
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<tr>
<td><strong>Keywords</strong></td>
<td>Research (in general), epidemiology, disease prevention and control, burden of disease, international/global</td>
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## AIMS, OBJECTIVES AND AUDIENCE

**Overall aim**

To apply the principals of epidemiology to the study of eye health

**Intended learning outcomes**

By the end of this module, students should be able to:

- To describe key features of different epidemiological study designs to address eye health research questions
- Describe the magnitude and causes of visual loss and blindness in different socio-economic settings
- Know the aetiology and risk factors for the major blinding diseases
- Critically read scientific papers on the epidemiology of blinding eye diseases

**Target audience**

This module is a compulsory module for MSc Public Health for Eye Care
### CONTENT

**Session content**

The module is expected to include sessions addressing the following topics:

- Principles of epidemiology as applied to the major causes of blindness
- Features of the different epidemiological study designs to address eye health research questions
- Overview of the evidence base around the major causes of blindness, including prevention and treatment
- Interpretation of the strength of evidence from a range of different study types as applied to blinding eye disease

### TEACHING, LEARNING AND ASSESSMENT

**Study resources provided or required**

Module Information can be found on the Virtual Learning Environment (MOODLE) containing information about each session and key references for the module. Students receive relevant background information (papers for discussion, pre-session Online Educational Resources (OER) material to access etc.) prior to each session.

**Teaching and learning methods**

A combination of interactive seminars, group work, discussion and student presentations will be used, integrated with OER material.

**Assessment details**

Formative: In order to assess progress, in-class discussions will be complemented by written formative assessments during the module in which students will critically review two published papers of epidemiological studies of common eye diseases using structured short answer questions.

Summative: Questions on this module will be included on the June written examination in Paper 1.

**Assessment dates**

The formative assessment date will be confirmed by your module organiser. Formal written examinations will take place during the summer term in June.

Resit/deferred/new attempts – The next written examinations will take place during the summer term in June in the following academic year.

**Language of study and assessment**

English (please see 'English language requirements' below regarding the standard required for entry).

### TIMING AND MODE OF STUDY

**Duration**

3 weeks at 2 days per week

**Dates**

Thursday and Fridays

**Timetable slot**

Term 1

**Mode of Study**

The module is taught face-to-face in London. Both full-time and split-study students follow the same schedule.

**Learning time**

The notional learning time for the module totals 100 hours, consisting of:

- Contact time ≈ 30 hours
- Directed self-study ≈ 20 hours
- Self-directed learning ≈ 10 hours
- Assessment, review and revision ≈ 40 hours
# APPLICATION AND ADMISSION

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>None, although experience of eye health would be an advantage</th>
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<tr>
<td><strong>English language requirements</strong></td>
<td>A strong command of the English language is necessary to benefit from studying the module. Applicants whose first language is not English or whose prior university studies have not been conducted wholly in English must fulfil LSHTM’s <a href="#">English language requirements</a>.</td>
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<tr>
<td><strong>Student numbers</strong></td>
<td>20 (numbers may be capped due to limitations in facilities or staffing)</td>
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<tr>
<td><strong>Student selection</strong></td>
<td>This module is compulsory for MSc Public Health for Eye Care. Full Registration (full participation) by LSHTM research degree students is required for this module. Preference will be given to LSHTM MSc students and LSHTM research degree students. Other applicants meeting the entry criteria will usually be offered a place in the order applications are received, until any cap on numbers is reached. Applicants may be placed on a waiting list and given priority the next time the module is run.</td>
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