# Module Specification

## ABOUT THIS DOCUMENT

This module specification applies for the academic year 2017-18

**Last revised** 9 Sep 2016 by Covadonga Bascaran

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## GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Non Communicable Eye Disease</th>
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<tbody>
<tr>
<td>Module code</td>
<td>3404</td>
</tr>
<tr>
<td>Module Organiser(s)</td>
<td>Dr Covadonga Bascaran or Dr GVS Murthy</td>
</tr>
<tr>
<td>Contact email</td>
<td><a href="mailto:Covadonga.Bascaran@lshtm.ac.uk">Covadonga.Bascaran@lshtm.ac.uk</a> or <a href="mailto:gvs.murthy@lshtm.ac.uk">gvs.murthy@lshtm.ac.uk</a></td>
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<tr>
<td>Home Faculty</td>
<td>Infectious &amp; Tropical Diseases</td>
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<tr>
<td>Level</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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<tr>
<td>Credit</td>
<td>15 credits</td>
</tr>
<tr>
<td>Accreditation</td>
<td>Not currently accredited by any other body</td>
</tr>
<tr>
<td>Keywords</td>
<td>Health of the elderly, burden of disease, non communicable diseases, diabetes. Accidents/injury, gender and health, epidemiology.</td>
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## AIMS, OBJECTIVES AND AUDIENCE

**Overall aim**

To evaluate and propose alternative control strategies for non-communicable adult causes of blindness/low vision, with emphasis on the students own work situation.

**Intended learning outcomes**

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

- Assess the evidence on the risk factors and management of cataract
- Interpret and use indicators used evaluating cataract services (output, outcome and outlay)
- Propose control strategies for the elimination of cataract blindness appropriate to the student’s place of work
- Assess the evidence on the risk factors and management of glaucoma, diabetic retinopathy, age-related macular degeneration and refractive errors.
- Discuss the role of screening programmes in preventing blindness
- Examine the management and prevention challenges of blindness from ocular injuries
- Assess the evidence on the magnitude, risk factors and management of low vision and propose strategies for control appropriate to the
## Target audience
This module is compulsory for MSc Public Health for Eye Care.

## CONTENT

### Session content
The module is expected to include sessions addressing the following topics:
- Cataract pathophysiology, etiology and epidemiology. Management options for cataract blindness and control strategies in specific settings
- Glaucoma pathophysiology, etiology and epidemiology. Management options for glaucoma and control strategies in specific settings
- Diabetic retinopathy pathophysiology, etiology and epidemiology. Management options for DR and control strategies in specific settings
- Refractive errors pathophysiology, etiology and epidemiology. Management options for RE control strategies in specific settings
- AMD pathophysiology, etiology and epidemiology. Management options for AMD and control strategies in specific settings
- Principles of screening programmes and their application in non-communicable eye diseases
- Epidemiology of ocular injuries as a cause of blindness and challenges in management and prevention
- Low vision: epidemiology, management and control strategies. Low vision services

## 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. Lesson handouts will be available via Moodle.
EXCEL templates provided; RAAB software provided

### Teaching and learning methods
A combination of interactive seminars, group work and student presentations will be used

### Assessment details

1. **Formative.** Templates: Complete the templates provided to you during the lectures in cataract, refractive error and diabetic retinopathy. Identify the burden of visual impairment due to each of those diseases, using a population specific to your own setting.

2. **Summative.** Essay: Based on the burden data obtained in the templates critically appraise the public health interventions in your setting for the prevention and control of one of the following diseases: cataract, refractive error or diabetic retinopathy.

   Word count: 1,500 maximum (references not included).
   Students can use tables, flow charts, bullet point lists, etc.
   References: Maximum of 25

Resit/deferred/new attempts - The task will be to submit a 1,500-word essay
critically discussing existing service delivery in their region for a different choice of non communicable disease and recommendations to improve it. Time for completion: 4 weeks.

| Assessment dates | Details of the assessment will be available from the beginning of the module and students will submit the assessments in **February 2018**. Resit/deferred/new attempts – The next assessment deadline will be during mid/late September of the current 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 | 5 weeks at 2.5 days per week |
| Dates | Wednesday lunchtime to Friday afternoon |
| Timetable slot | Term 2 – slot C2 |
| Mode of Study | The module is taught face-to-face in London. Both full-time and part-time students follow the same schedule. |

**Learning time**

The notional learning time for the module totals 150 hours, consisting of:

- Contact time ≈ 72.5 hours
- Directed self-study ≈ 15 hours
- Self-directed learning ≈ 25 hours
- Assessment, review and revision ≈ 37.5 hours

**APPLICATION AND ADMISSION**

| Pre-requisites | Previous experience in eye health care is required. |
| English language requirements | 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 English language requirements. |
| Student numbers | 12-20 (numbers may be capped due to limitations in facilities or staffing) |
| Student selection | 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 and students must have previous experience in eye health care.

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. |