# Module Specification

## ABOUT THIS DOCUMENT

This module specification applies for the academic year 2018-19

Last revised 31 August 2018 by Susan Howell

London School of Hygiene & Tropical Medicine, Keppel St., London WC1E 7HT. [www.lshtm.ac.uk](http://www.lshtm.ac.uk)

## GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Mycology</th>
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<tbody>
<tr>
<td>Module code</td>
<td>3130</td>
</tr>
<tr>
<td>Module Organiser</td>
<td>Dr Susan Howell</td>
</tr>
<tr>
<td>Contact email</td>
<td><a href="mailto:Sue.Howell@viapath.co.uk">Sue.Howell@viapath.co.uk</a></td>
</tr>
<tr>
<td>Home Faculty</td>
<td>Infectious &amp; Tropical Diseases</td>
</tr>
<tr>
<td>Level</td>
<td>Level 7 (postgraduate Masters ‘M’ level) of the QAA <a href="http://www.qaa.ac.uk">Framework for Higher Education Qualifications</a> 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>Mycology, Fungal infection, Laboratory science</td>
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## AIMS, OBJECTIVES AND AUDIENCE

### Overall aim

To examine the major aspects of mycotic diseases.

### Intended learning outcomes

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

- Describe the basic structure and classification of pathogenic fungi
- Demonstrate knowledge and understanding of the pathogenesis of the various mycoses, their clinical manifestations, diagnosis and management
- Apply relevant identification techniques and skills in any laboratory settings using moulds or yeasts

### Target audience

This module is intended for microbiologists, parasitologists, immunologists and clinicians. No prior knowledge of mycology is required.

## CONTENT

<table>
<thead>
<tr>
<th>Session content</th>
<th>The module is expected to include sessions addressing the following topics:</th>
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<tbody>
<tr>
<td></td>
<td>The morphology and taxonomy of pathogenic fungi</td>
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<tr>
<td></td>
<td>The mycoses - superficial and cutaneous, subcutaneous, and systemic</td>
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<tr>
<td>STUDY</td>
<td></td>
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<tr>
<td>---</td>
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<tr>
<td><strong>Virulence factors, immunology, aspects of treatment</strong></td>
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<table>
<thead>
<tr>
<th>TEACHING, LEARNING AND ASSESSMENT</th>
</tr>
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<tbody>
<tr>
<td><strong>Study resources provided or required</strong></td>
</tr>
<tr>
<td>Module Information can be found on the Virtual Learning Environment (Moodle) containing information about each session and key references for the module. Detailed handouts and laboratory practical guides are provided. A text book for laboratory use is also supplied. Students will need to use other resources for their essay work (journals, textbooks in libraries and online sources).</td>
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| **Teaching and learning methods** |
| Lectures (60%), demonstrations and practicals (40%). The practical work is considered an essential. |

| **Assessment details** |
| The assessment will consist of two components: an essay on a topic agreed with the Module Organiser and a practical assessment based on 15 specimens requiring identification or comment. The grades for each component will be equally weighted and combined to give an overall GPA. |

| **Assessment dates** |
| Assessments will take place or be due during the last week of the module (week 5) |

| **Language of study and assessment** |
| English (please see ‘English language requirements’ below regarding the standard required for entry). |

<table>
<thead>
<tr>
<th>TIMING AND MODE OF STUDY</th>
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<tr>
<td><strong>Duration</strong></td>
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<tr>
<td>5 weeks at 2.5 days per week</td>
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| **Dates** |
| Wednesday lunchtime to Friday afternoon |

| **Timetable slot** |
| Term 3 - slot E |

| **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 ≈ 62 hours |
| - Self-directed learning ≈ 43 hours |
| - Assessment, review and revision ≈ 45 hours |

<table>
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<th>APPLICATION AND ADMISSION</th>
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<tbody>
<tr>
<td><strong>Pre-requisites</strong></td>
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<tr>
<td>None</td>
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| **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** |
| 20-24 (numbers may be capped due to limitations in facilities or staffing) |
| **Student selection** | Preference will be given to LSHTM MSc students (particularly those with medical or microbiology backgrounds) 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. Full Registration (full participation) by LSHTM research degree students is required for this module. |