Module Specification

An online version of this specification is available to prospective students at http://www.lshtm.ac.uk/study/currentstudents/studentinformation/mscmodulehandbook/

ABOUT THIS DOCUMENT

This module specification applies for the academic year 2016-17
Last revised 21 July 2016 by Helena Helmby
London School of Hygiene & Tropical Medicine, Keppel St., London WC1E 7HT. www.lshtm.ac.uk

GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Immunology of Parasitic Infection</th>
</tr>
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<tbody>
<tr>
<td>Module code</td>
<td>3177</td>
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<tr>
<td>Module Organiser</td>
<td>Dr Helena Helmby</td>
</tr>
<tr>
<td>Contact email</td>
<td><a href="mailto:Helena.Helmby@lshtm.ac.uk">Helena.Helmby@lshtm.ac.uk</a></td>
</tr>
<tr>
<td>Home Faculty</td>
<td>Faculty of Infectious &amp; Tropical Diseases</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>Parasites, parasitic, helminth, worm infections, malaria, protozoa, immunity, immunopathology</td>
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AIMS, OBJECTIVES AND AUDIENCE

<table>
<thead>
<tr>
<th>Overall aim</th>
<th>To develop an understanding of the diverse nature and consequences of the interaction between parasites and the host immune response.</th>
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</table>
| Intended learning outcomes | By the end of this module, students should be able to:  
  • Demonstrate knowledge and understanding of the various different types of immune responses elicited by parasites  
  • Evaluate how such immune responses and the balance between them are, or might be, controlled  
  • Compare the mechanisms used by parasites to avoid/exploit the immune response  
  • Describe the outcomes of the interaction between the immune response and the parasite, for example immunopathology and immunity to infection/disease  
  • Distinguish the most important immunological features relating to the major parasitic infections of man |
- Evaluate how parasitic infections can bias the nature of the immune response to concurrent infections
- Assess the direction of current research in this field

**Target audience**

This module covers current knowledge of the immune response in parasite infection. Students must have a good basic knowledge of immunology. Sufficient introduction to the parasites themselves will be given during the course.

**CONTENT**

**Session content**

The module is expected to include sessions addressing the following topics (though please note that these may be subject to change):

- Brief review of basic immunological principles and basic parasitology
- Immunology of trypanosomatids, Toxoplasma, gut protozoa
- Immunology of malaria
- Immunology of schistosomes, filarial worms and gut nematodes

**TEACHING, LEARNING AND ASSESSMENT**

**Study resources provided or required**

A module handbook containing information about each session and key references for the module. Lecture handouts will be available via Moodle.

**Teaching and learning methods**

Lectures will comprise the bulk of the teaching time but group-work, classroom discussions and student presentations are also included. Certain topics will be covered by guest visiting lecturers.

**Assessment details**

Assessment will be in the form of a 1.5-hour written test based on lecture material (100% of grade).

For students who are required to resit, or granted a deferral or new attempt, the task will be an essay or critical review, with a maximum word limit of 2,000 words.

**Assessment dates**

Assessments will take place on 24 March 2017.

For students who are required to resit, or granted a deferral or new attempt, the next assessment deadline will be the standard School-recommended date in mid/late September.

**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 D2

**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 ≈ 32 hours
- Directed self-study ≈ 51 hours
- Self-directed learning ≈ 28.5 hours
- Assessment, review and revision ≈ 38.5 hours

### APPLICATION, ADMISSION AND FEES

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<thead>
<tr>
<th>Pre-requisites</th>
<th>This module is designed for students with a good basic knowledge of immunology.</th>
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<tr>
<td>English language requirements</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>, with an acceptable score in an approved test taken in the two years prior to entry. Applicants may be asked to take a test even if the standard conditions have been met.</td>
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<tr>
<td>Student numbers</td>
<td>20-30 (numbers may be capped due to limitations in facilities or staffing)</td>
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<tr>
<td>Student selection</td>
<td>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. Full Registration (full participation) by LSHTM research degree students is required for this module.</td>
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<td>Fees</td>
<td>For registered LSHTM MSc students, fees for the module are included within MSc fees (given on individual course <a href="#">prospectus pages</a>). If registering specifically for this module, as a <a href="#">stand-alone short course</a>, individual module fees will apply. Tuition fees must be paid in full before commencing the module, or by any fee deadline set by the Registry.</td>
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<tr>
<td>Scholarships</td>
<td>Scholarships are not available for individual modules. Some potential <a href="#">sources of funding</a> are detailed on the LSHTM website.</td>
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