## Module Specification

### ABOUT THIS DOCUMENT

This module specification applies for the academic year 2019-20

**Last revised** 23 August 2019 by Martin Holland

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### GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Immunology of Clinical Diseases</th>
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<tbody>
<tr>
<td>Module code</td>
<td>3167</td>
</tr>
<tr>
<td>Module Organiser</td>
<td>Dr Martin Holland &amp; Dr Martin Goodier</td>
</tr>
<tr>
<td>Contact email</td>
<td><a href="mailto:Martin.Holland@lshtm.ac.uk">Martin.Holland@lshtm.ac.uk</a> /Martin.Goodier@lshtm.ac.uk</td>
</tr>
<tr>
<td>Home Faculty</td>
<td>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>Biological factors; Communicable diseases; non-communicable diseases; Immunological disease; Human disease; Immunology.</td>
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### AIMS, OBJECTIVES AND AUDIENCE

<table>
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<tr>
<th>Overall aim</th>
<th>To illustrate the ways in which our knowledge of the basic science of the immune system can be applied to the understanding of mechanisms underlying disease processes, their laboratory diagnosis and treatment.</th>
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| Intended learning outcomes | By the end of this module, students should be able to:  
  - Demonstrate knowledge and understanding of the ways in which information from *in vitro* work and from *in vivo* animal model systems applies to human disease  
  - Assess the immunological basis of clinical conditions  
  - Illustrate the main principles, application, and significance of results of diagnostic tests available in the clinical immunology laboratory for the assessment of immune function  
  - Compare current approaches to disease therapy |
| Target audience | Students proposing to take this module should have prior experience in the principles of immunology, preferably having taken the Immunology of Infectious Diseases module in Term 1. |
### CONTENT

**Session content**
The module is expected to include sessions addressing the following topics:
- Autoimmune disease(s)
- Reproductive immunology
- Allergy
- Solid organ transplantation
- Primary and acquired Immunodeficiency

### 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 will be provided with prior copies of lecture slides/notes via Moodle. Case study outlines for presentations are based on the clinical companion 6th (2012) Edition of *Case studies in Immunology* by Geha and Rosen (Garland Science).

**Teaching and learning methods**
The module consists of lectures, group discussions and student presentations.

**Assessment details**
Assessment will consist of an MCQ examination on the module content (60%) plus an assessed case study presentation (40%).
Resit/deferred/new attempts - The task will be short answer questions on 2 of 4 case studies presented in the module.

**Assessment dates**
Assessments will take place during Week 4 (Case Study Presentations with submission of presentations due towards the end of Week 3) and Week 5 (MCQ exam).
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**
Monday morning to Wednesday lunchtime

**Timetable slot**
Term 2 - slot D1

**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 ≈ 28 hours
- Directed self-study ≈ 22 hours
- Self-directed learning ≈ 30 hours
- Assessment, review and revision ≈ 70 hours

### APPLICATION AND ADMISSION

**Pre-requisites**
Students proposing to take this module should have prior experience in basic immunology, preferably having taken the Immunology of Infectious
| **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** | 14-18 (numbers may be capped due to limitations in facilities or staffing) |
| **Student selection** | Preference will be given to LSHTM MSc students particularly those registered for the MSc Immunology of Infectious Diseases or who have taken the Immunology of Infectious Diseases module in Term 1, 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. Partial Registration (partial participation) by LSHTM research degree students is allowed for this module. |