



## MODULE SPECIFICATION

<b>Academic Year (student cohort covered by specification)</b>	2020-21
<b>Module Code</b>	3167
<b>Module Title</b>	Immunology of Clinical Diseases
<b>Module Organiser(s)</b>	Dr Martin Holland & Dr Martin Goodier
<b>Faculty</b>	Infectious & Tropical Diseases
<b>FHEQ Level</b>	Level 7
<b>Credit Value</b>	<b>CATS:</b> 15 <b>ECTS:</b> 7.5
<b>HECoS Code</b>	100265:100345 (1:1)
<b>Term of Delivery</b>	Term 2
<b>Mode of Delivery</b>	For 2020-21 this module is delivered online.  Teaching will comprise a combination of live and interactive activities (synchronous learning) as well as recorded or self-directed study (asynchronous learning).
<b>Mode of Study</b>	Full-time
<b>Language of Study</b>	English
<b>Pre-Requisites</b>	Students proposing to take this module should have prior experience in basic immunology, preferably having taken the Immunology of Infectious Diseases module in Term 1.
<b>Accreditation by Professional Statutory and Regulatory Body</b>	None
<b>Module Cap (Maximum number of students)</b>	14-18 (numbers may be capped due to limitations in facilities or staffing)
<b>Target Audience</b>	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.
<b>Module Description</b>	This module is led by research active clinicians and academic immunologists, from across London and the U.K. Our aim is to provide you an introduction into specialist areas of immunology of a number of clinical conditions gaining insight on the mechanisms of the immune system and immune responses in the context of infection, malignancy and immunological disorders. Through a diverse set of independent lectures, you will learn about the immunology underpinning our



	understanding and diagnosis of disease and infection including approaches to treatment and therapy.
<b>Duration</b>	5 weeks at 2.5 days per week
<b>Timetabling slot</b>	Slot D1
<b>Last Revised (e.g. year changes approved)</b>	09/2020

<b>Programme(s)</b>	<b>Status</b>
This module is linked to the following programme(s)	
MSc Immunology of Infectious Diseases	Recommended Option

## Module Aim and Intended Learning Outcomes

<b>Overall aim of the module</b>
<p>The overall module aim is to:</p> <ul style="list-style-type: none"> <li>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.</li> </ul>

<b>Module Intended Learning Outcomes</b>
<p>Upon successful completion of the module a student will be able to:</p> <ol style="list-style-type: none"> <li>Demonstrate knowledge and understanding of the ways in which information from <i>in vitro</i> work and from <i>in vivo</i> animal model systems applies to human disease;</li> <li>Assess the immunological basis of clinical conditions;</li> <li>Illustrate the main principles, application, and significance of results of diagnostic tests available in the clinical immunology laboratory for the assessment of immune function;</li> <li>Compare current approaches to disease therapy.</li> </ol>

## Indicative Syllabus

<b>Session Content</b>
<p>The module is expected to cover the following topics:</p> <ul style="list-style-type: none"> <li>Autoimmune disease(s);</li> <li>Reproductive immunology;</li> <li>Melanoma;</li> <li>Leprosy;</li> <li>Allergy;</li> <li>HSCT and solid organ transplantation;</li> <li>Primary and acquired Immunodeficiency.</li> </ul>



## Teaching and Learning

### Notional Learning Hours

Type of Learning Time	Number of Hours	Expressed as Percentage (%)
Contact time	28	18.7
Directed self-study	22	14.7
Self-directed learning	30	20
Assessment, review and revision	70	46.7
<b>Total</b>	<b>150</b>	<b>100</b>

Student contact time refers to the tutor-mediated time allocated to teaching, provision of guidance and feedback to students. This time includes activities that take place in face-to-face contexts such as lectures, seminars, demonstrations, tutorials, supervised laboratory workshops, practical classes, project supervision as well as where tutors are available for one-to-one discussions and interaction by email. Student contact time also includes tutor-mediated activities that take place in online environments, which may be synchronous (using real-time digital tools such as Zoom or Blackboard Collaborate Ultra) or asynchronous (using digital tools such as tutor-moderated discussion forums or blogs often delivered through the School's virtual learning environment, Moodle).

The division of notional learning hours listed above is indicative and is designed to inform students as to the relative split between interactive (online or on-campus) and self-directed study.

### Teaching and Learning Strategy

The module consists of lectures, group discussions and student presentations.

## Assessment

### Assessment Strategy

The assessment for this module has been designed to measure student learning against the module intended learning outcomes (ILOs) as listed above. Formative assessment methods may be used to measure students' progress. The grade for summative assessment(s) only will go towards the overall award GPA.

The assessment for this module will be online.

Assessment will consist of an MCQ examination on the module content (60%) plus an assessed case study presentation (40%).

## Summative Assessment

Assessment Type	Assessment Length (i.e. Word Count, Length of presentation in minutes)	Weighting (%)	Intended Module Learning Outcomes Tested
Individual Presentation	15 minutes (12 mins presentation, 3 minutes open questions)	40	1,2,3 and 4 in the context of case study of single condition covered in depth
Timed Test (in-module test e.g. MCQ)	60 minutes (40 questions)	60	1,2,3 and 4 across the scope of the conditions covered in the module

### Resitting assessment

Resits will accord with the LSHTM's [Resits Policy](#)

For individual students resitting there will be an approved alternative assessment as detailed below.

Assessment being replaced	Approved Alternative Assessment Type	Approved Alternative Assessment Length (i.e. Word Count, Length of presentation in minutes)
Timed Test (in-module test e.g. MCQ) and Presentation	Essay / Critical Review	The task will be an essay or critical review with a maximum word limit of 2,000 words

## Resources

### Indicative reading list

*Case studies in Immunology a clinical companion* 7<sup>th</sup> Edition by Geha and Notarangelo (Garland Science)



## Teaching for Disabilities and Learning Differences

The module-specific site on Moodle gives students access to lecture notes and copies of the slides used during the lecture. Where appropriate, lectures are recorded and made available on Moodle. All materials posted on Moodle, including computer-based sessions, have been made accessible where possible.

LSHTM Moodle is accessible to the widest possible audience, regardless of specific needs or disabilities. More detail can be found in the [Moodle Accessibility Statement](#) which can also be found within the footer of the Moodle pages. All students have access to "SensusAccess" software which allows conversion of files into alternative formats.

Student Support Services can arrange learning or assessment adjustments for students where needed. Details and how to request support can be found on the [LSHTM Disability Support pages](#).