MODULE SPECIFICATION

Academic Year (student cohort covered by specification)	2025-26
Module Code	3167
Module Title	Immunology of Clinical Diseases
Module Organiser(s)	Dr Sam Wassmer & Dr Tegwen Marlais
Faculty	Infectious & Tropical Diseases
FHEQ Level	Level 7
Credit Value	**CATS:** 15 **ECTS:** 7.5
HECoS Code	100265:100345 (1:1)
Term of Delivery	Term 2
Mode of Delivery	For 2025-26 this module will be delivered by predominantly face-to-face teaching modes. Where specific teaching methods (lectures, seminars, discussion groups) are noted in this module specification, these will be delivered by predominantly face-to-face sessions. There will be a combination of live and interactive activities (synchronous learning) as well as recorded or self-directed study (asynchronous learning).
Mode of Study	Full-time
Language of Study	English
Pre-Requisites	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.
Accreditation by Professional Statutory and Regulatory Body	None
Module Cap (Indicative number of students)	14-18 (numbers may be capped due to limitations in facilities or staffing)
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.

Module Description	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 several 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.
Duration	5 weeks at 2.5 days per week
Timetabling slot	Slot D1
Last Revised (e.g., year changes approved)	August 2025

Programme(s) This module is linked to the following programme(s)	**Status**
MSc Immunology of Infectious Diseases	Recommended

Module Aim and Intended Learning Outcomes

Overall aim of the module
The overall module aim is 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.

Module Intended Learning Outcomes
By the end of this module, students will be able to: 1. Contrast the immunological bases of a wide range of infectious and non-infectious clinical conditions to categorise common patterns; 2. Explain the ways in which information from *in vitro* work and from *in vivo* animal model systems applies to human disease; 3. Summarise the main principles, application, and significance of results of diagnostic tests available in the clinical immunology laboratory for the assessment of immune function; 4. Compare and assess gaps in the current approaches to disease therapy; 5. Analyse, synthesise, and present case studies, contributing to a broader knowledge of immunopathogenesis.

Indicative Syllabus

Session Content
The module is expected to cover the following topics: • Autoimmune disease(s); • Reproductive immunology; • Neuroimmunology and neuropsychiatry; • Allergy; • Nutrition and immunology; • Cancer immunology; • Primary and acquired immunodeficiency.

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
Total	**150**	**100**

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.

The division of notional learning hours listed above is indicative and is designed to inform students as to the relative split between interactive 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 both online and in person. Assessment will consist of an MCQ examination on the module content (60%, ILOs 1-4) plus an assessed case study presentation (40%, ILO 1-5).

Summative Assessment

Assessment Type	**Assessment Length (i.e., Word Count, Length of presentation in minutes)**	**Weighting** (%)	**Intended Module Learning Outcomes Tested**
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
Individual Presentation	15 minutes (12 mins presentation, 3 minutes open questions)	40	1,2,3,4 and 5 in the context of case study of single condition covered in depth

Resitting assessment
Resits will accord with Chapter 8a of the LSHTM Academic Manual 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
Course materials and lecture notes will be provided via the LSHTM Virtual Learning Environment, Moodle.

Recommended: we recommend that students have access to *Case studies in Immunology a clinical companion* 7th Edition by Geha and Notarangelo (Garland Science). A case study from the book will be assigned to each student for study and presentation.

Other resources
Students are given access to the LSHTM Virtual Learning Environment, (Moodle) where they can access web-based discussion forums, assignments (where applicable), supplementary materials, Panopto recordings and the LSHTM online library resources.

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.