



**UNIVERSITY
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MEDICINE



MODULE SPECIFICATION

Academic Year (student cohort covered by specification)	2020-21
Module Code	IDM501
Module Title	HIV
Module Organiser(s)	Vicki Johnston
Contact email	The LSHTM distance learning programmes and modules are run in collaboration with University of London Worldwide. Enquiries may be made via the Student Advice Centre . (Enquiries from face-to-face i.e. London-based the LSHTM MSc or research students regarding study of DL modules should be emailed to distance@lshtm.ac.uk .)
Faculty	Infectious & Tropical Diseases: The London School of Hygiene & Tropical Medicine https://www.lshtm.ac.uk/research/faculties/itd
FHEQ Level	Level 7
Credit Value	CATS: 15 ECTS: 7.5
HECoS Code	100265:101317 (1:1)
Mode of Delivery	Distance Learning
Mode of Study	Directed self-study, through provided and online materials
Language of Study	English
Pre-Requisites	Those who wish to study this module as an individual module or as part of another programme should have a prior knowledge of basic biochemistry, cell biology, genetics and immunology in order to be able to work through and benefit fully from this module.
Accreditation by Professional Statutory and Regulatory Body	None
Module Cap (Maximum number of students)	None
Target Audience	This module is intended for those who wish to understand HIV, the disease, and aspects of its prevention, treatment and control.
Module Description	The main aims of the module are to give you a broad understanding of the HIV epidemic, and to equip you to



	analyse the appropriateness of alternative therapeutic and preventive intervention strategies in different settings.
Duration	Distance learning module studies begin in early October. Students may start their studies at any time from receipt of study materials and work through the material until the start of the June examinations (although assessment submission deadlines which are earlier than this must be observed).
Last Revised (e.g. year changes approved)	May/2020

Programme(s)	Status
This module is linked to the following programme(s)	
PGDip/MSc Infectious Diseases (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Clinical Trials (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Epidemiology (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Global Health Policy (Distance Learning - University of London Worldwide)	Elective Option
PGDip Public Health (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health (General Stream) (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Environment and Health (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Health and Promotion (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Health Services Management (Distance Learning - University of London Worldwide)	Elective Option

Module Aim and Intended Learning Outcomes

Overall aim of the module
The overall module aim is to: <ul style="list-style-type: none"> give students a broad understanding of the HIV epidemic, and to equip them to analyse the appropriateness of alternative therapeutic and preventive intervention strategies in different settings.



Module Intended Learning Outcomes

Upon successful completion of the module a student will be able to:

1. Understand the structure and behaviour of the virus, and its pathogenesis.
2. Describe the immune response to infection, and analyse the prospects for the development of an effective vaccine.
3. Review the approaches to diagnosis and the use of alternative case definitions of HIV/AIDS.
4. Compare the natural history of HIV and AIDS in different geographical settings.
5. Evaluate the appropriateness and effectiveness of prophylactic and therapeutic drug treatments in different settings, including the use of antiretroviral therapy.
6. Describe the modes of transmission of the virus, and characterize the regional epidemics of HIV in different parts of the world.
7. Understand the risk factors for HIV infection, and analyse how social, cultural, behavioural and biological factors interact to determine the transmission of the virus.
8. Evaluate the effectiveness of alternative strategies of HIV prevention.
9. Devise and implement effective HIV control programmes that are tailored to the local context.

Indicative Syllabus

Session Content

The module is expected to cover the following topics:

- **Section 1 Virology, immunology and diagnosis of HIV infection**
The first section focuses on the 'basic science' of HIV, including its evolution, virology and pathogenesis, the immune response to HIV, diagnostic methods and the prospects for a vaccine.
- **Section 2 Clinical aspects of HIV infection**
The second section examines the natural history and clinical manifestations of HIV in different geographical settings, prophylactic and therapeutic treatments for HIV and its associated opportunistic infections, the clinical aspects of HIV infection in children, and access to HIV care in developing countries.
- **Section 3 Epidemiology and control of HIV infection**
The third section describes the global and regional epidemics, surveillance methods for HIV, and the demographic and social impact of the epidemic. It goes on to examine the epidemiology and control of each of the main modes of HIV transmission: sexual, mother-to-child, and parenteral. Finally, it discusses the



Session Content

broader social and political context of the epidemic and reviews issues in the planning and implementation of control programmes.

Teaching and Learning

Notional Learning Hours

Type of Learning Time	Number of Hours	Expressed as Percentage (%)
Directed self-study	125	83
Self-directed learning	10	7
Assessment, review and revision	15	10
Total	150	100

Teaching and Learning Strategy

Learning is self-directed against a detailed set of learning objectives using the materials provided. Students are strongly encouraged to participate in the module-specific discussion forums available on Moodle to obtain tutor support, and to make use of the LSHTM online library resources. In addition, written feedback is provided on submitted assignments.

Assessment

Assessment Strategy

Formal assessment of this module includes a two-hour unseen written paper examination with 15 minutes additional reading/planning time (70%) and an assessed assignment (30%). The assessed assignment comprises a 2500 word report modelled on a funding application for a project to tackle HIV in a specified country.

Summative assessment

Assessment Type	Assessment Length	Weighting (%)	Intended Module Learning Outcomes Tested
Assessed Assignment	2500 words	30	4, 6, 7, 8, 9
Exam	2 hours 15 minutes	70	1 - 9



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Assignments for this module can be submitted only once annually, no later than 31st March and must be submitted via the online Assignment Management System.

Unseen written examinations for DL modules are held once a year, in June (including resits). Examinations are normally held in a student's country of residence, in one of over 650 examination centres worldwide. They are arranged mainly through Ministries of Education or the British Council. A list of examination centres can be found at <https://london.ac.uk/current-students/examinations/examination-centres>.

A local fee will be payable direct to the examination centre. This fee is in addition to the programme/module fee and is set by, and paid directly to, the individual examination centres. The level of local examination centre fees varies across the world and neither the University of London nor the LSHTM have any control over the fee amount.

Resitting assessment

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

The Resit assessment will be the same assessment type as the first attempt (see previous table).

Resources

Indicative reading list

- Goering, R.V., Dockrell, H.M., Zuckerman, M. and Chiodini, P.L., (2018) *Mims' Medical Microbiology and Immunology*. 6th Ed.
ISBN: 978-0702071560.

Other resources

Study Guide: interactive CD-ROM.

Reader: Reprints of associated journal articles.

In addition to the materials above, students are given access to the **LSHTM Virtual Learning Environment, Moodle** where they can access the study guide, reading list, web-based discussion forums, assignments, supplementary materials, suggested relevant websites, audio and video recordings, activities and the **LSHTM online library resources**.



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Teaching for Disabilities and Learning Differences

The module-specific site on Moodle provides students with access to the module learning materials, including a study guide (with accessible printable versions of sessions) and online reading list (containing essential readings, and textbooks if available), and additional resources including supplementary exercises. All materials posted up on Moodle areas, including computer-based sessions, have been made accessible where possible. The LSHTM Moodle has been made accessible to the widest possible audience, using a VLE that allows for up to 300% zoom, permits navigation via keyboard and use of speech recognition software, and that allows listening through a screen reader. All students have access to "[SensusAccess](#)" software which allows conversion of files into alternative formats.

If you have specific, access requirements please contact the Inclusive Practice Manager via special.arrangements@london.ac.uk to request an alternative format of the study guide and for special exam arrangements.