



**UNIVERSITY
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LONDON
SCHOOL of
HYGIENE
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MEDICINE



MODULE SPECIFICATION

Academic Year (student cohort covered by specification)	2020-21
Module Code	IDM104
Module Title	Control of Infectious Diseases
Module Organiser(s)	Dr Robert Auger and Dr Emma Harding-Esch
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	100265:101317:100985 (1:1:1)
Mode of Delivery	Distance Learning
Mode of Study	Directed self-study, through provided and online materials
Language of Study	English
Pre-Requisites	None
Accreditation by Professional Statutory and Regulatory Body	Not currently accredited by any other body
Module Cap (Maximum number of students)	None
Target Audience	This module is intended for those with an interest in infectious diseases who wish to expand on a basic educational or professional background in biological sciences or public health.
Module Description	This module introduces students to public health, surveillance, control and designing disease control programmes, providing a broader, “bigger picture” of infectious disease control. It is aimed at students with an interest in public health, from basic scientists to “front line”

	staff. It is assessed through a final exam, with an optional formative assessment and participation in online discussion forums.
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)	April/2020

Programme(s)	Status
This module is linked to the following programme(s)	
PGCert/PGDip/MSc Infectious Diseases (Distance Learning - University of London Worldwide)	Compulsory

Module Aim and Intended Learning Outcomes

Overall aim of the module
<p>The overall module aim is to:</p> <ul style="list-style-type: none"> enable students to follow essential arguments in reports and articles written about issues in the areas of public health, methods for the control of infectious disease, surveillance methods and the design of disease control programmes, and to understand the principles for designing public health intervention programmes.

Module Intended Learning Outcomes
<p>Upon successful completion of the module a student will be able to:</p> <ol style="list-style-type: none"> Show familiarity with, and understanding of, some key concepts in public health. Make effective use of the academic literature on surveillance and methods for the control of infectious diseases. Demonstrate an awareness of the breadth of issues relevant to the control of infectious disease, from food hygiene to social inequality. Relate some of the intellectual history of efforts to control disease and show a conceptual understanding of the evolutionary nature of public health problems. Use the fundamental principles of programme design to understand how to design a control programme for an infectious disease problem.



Indicative Syllabus

Session Content

The module includes sections addressing the following topics:

- **Section 1: Public Health**

This introductory section introduces some of the key concepts of public health to help guide you in your study of the control of infectious diseases. It contains three sessions. The first introduces general concepts useful in public health; the second provides a theoretical foundation for understanding how certain kinds of problems wind up being a concern for those working in public health in the first place; the third addresses ethical issues that can arise when working as a public health professional, particularly with regard to infectious disease control programmes.

- **Section 2: Surveillance**

In this second section you will be studying the important issue of surveillance, or how data about current trends in the prevalence and spread of infectious diseases can be collected and studied, so that control efforts can be based on the latest and best information about the threats at hand.

The section is composed of 7 sessions, broken down into two categories. The first 4 sessions concern surveillance methods themselves, the second half (Sessions 5 - 7) various issues or trends of contemporary interest in the spread of infectious diseases.

- **Section 3: Control**

In this third section you will get to the central topic of disease control. This Section contains nine sessions. The sessions can be broken down into two categories: the first set dealing with aspects of the environment and the second set of sessions are centred around solutions that involve changing people's behaviour in some way.

- **Section 4: Designing Disease Control Programmes**

In the final session of this section you will design a disease control programme in a real country setting using information that you have learned throughout the previous three sessions. Disease control programmes, initiatives or projects vary in scope, focus, structure and duration. The Ministry of Health (MoH) has overall responsibility for implementing disease control programmes. However, international donors, or MoH themselves often contract health services to NGOs to support National control activities. Going through this section, you will mirror the stages in this process in each session, thus developing a virtual programme for a fictional situation.



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Teaching and Learning

Notional Learning Hours

Type of Learning Time	Number of Hours	Expressed as Percentage (%)
Directed self-study	100	67
Self-directed learning	25	17
Assessment, review and revision	25	17
Total	150	100

Teaching and Learning Strategy

Learning is self-directed against a detailed set of learning objectives using the materials provided. Activities are provided throughout the materials to enable students to apply their learning.

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.

A formative assignment is available to help students practise some of the principles discussed, and obtain tutor written feedback. 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. The assignment concerns development of a programme strategy to deal with a realistic public health problem in a lower-income country, which requires the student to make use of skills developed during the module. It is couched in the context of developing a concept note for a client, which is a useful professional skill.



Assessment

Assessment Strategy

An optional formative assignment is available to help students practise some of the principles discussed, and obtain tutor written feedback.

Formal assessment of this module includes a two-hour unseen written paper examination with 15 minutes additional reading/planning time (100%). Questions in the examination address the broad range of topics covered by the module in ways that require more than simple demonstration of information recall. Often, answers require an ability to use knowledge in novel ways or to apply it to specific contexts.

Summative assessment

Assessment Type	Assessment Length	Weighting (%)	Intended Module Learning Outcomes Tested
Exam	2 hours 15 minutes	100	1 – 5

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

Reader: A collection of online reading materials available via the virtual learning environment.

Other resources

Study Guide: A set of bespoke written materials covering all module topics, with links to additional suggested readings. Available online, and to download, via the virtual learning environment

Online Revision Sessions: To help support examination preparation.

Textbook: *Making Health Policy* (Buse, Mays & Walt) ISBN:978-0335246342 [2nd edn]

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, formative assignments, supplementary materials and the **LSHTM online library resources**.

Teaching for Disabilities and Learning Differences

The module-specific site on Moodle provides students with access to the module learning materials, including the Study Guide (in accessible PDF format) and online Reader (containing both essential and recommended readings), and additional resources including supplementary exercises and online revision sessions.

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 also 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.