

# Module Specification (Distance Learning)

In collaboration with University of London International Programmes



1. Title:	<b>Water and Sanitation</b>
2. Module code:	IDM210
3. Institution:	Faculty of Infectious and Tropical Diseases London School of Hygiene & Tropical Medicine Keppel Street London WC1E 7HT <a href="http://www.lshtm.ac.uk/itd/">http://www.lshtm.ac.uk/itd/</a>
4. Module Organiser:	Dr Adam Biran
5. Mode of study:	Distance Learning
6. Type:	Elective module
7. Duration and dates:	<p>Deadlines if taken as part of a formal award:</p> <p>Application deadline: 30 June each year</p> <p>Registration deadline: 31 August each year</p> <p>Course registration duration: Up to 5 years</p> <p>Course starts: 1 October each year</p> <p>Examination takes place: Usually June each year (date to be confirmed)</p> <p>Deadlines if taken as an individual module (i.e. not registered for formal award):</p> <p>Application deadline: 31 August each year</p> <p>Registration deadline: 30 November each year</p> <p>Registration duration: 2 years</p> <p>Module study starts: 1 October each year</p> <p>Examination takes place: Usually June each year (date to be confirmed)</p>
8. Credit points:	15 credit points will be awarded on successful completion of this module at Masters level (Level 7)
9. Notional Learning Hours (NLH):	On average the module should take about 150 hours to complete, consisting of the following: Directed self study: 100 hours Self-directed Learning: 25 hours Assessment, review and revision: 25 hours.
10. Aim:	The aim of this module is to enable students to understand the principles and practices that should underlie water, sanitation and hygiene projects in order to maximise health and social benefits and to equip students to contribute to the design and implementation of effective projects as members of multidisciplinary teams.
11. Learning objectives:	On completing this module students should have a critical understanding of the social, environmental, economic and financial aspects of water supply, sanitation and hygiene projects and of the ways in which such projects can impact on health. They should be able to apply this understanding to the design, evaluation and critique of such projects.
12. Content:	<p>The module consists of two sections, each of several sessions. The sections require about 100 hours of study, and a further 50 hours are allowed for your more personal study and revisiting the course material and completing the assignment.</p> <p><b>Section 1 Water supply and sanitation projects</b> Most of us realize that provision of clean water and adequate sanitation is</p>

	<p>one of the best ways of preventing disease and of maintaining the health of a group of people. Few understand how provision of these services can be undertaken as a preventive strategy. This section introduces the concept of undertaking such provision through projects and sets the process in context.</p> <p><b>Section 2 Principles and practices</b></p> <p>This section explains how an understanding of preventive strategy can be put into operation. We need to know about health and disease and also about the environment, economics and the institutions involved as well as the technical aspects of delivery. The section sets out the principles and practices relevant to each of these areas so that a water supply and sanitation project can be devised and implemented.</p>
13. Learning methods:	<p>Learning is self-directed against a set of learning objectives, using the materials provided.</p> <p>Student support is available from the module tutors via a web-based discussion forum in which students are encouraged to participate. In addition, module tutors provide written feedback on the submitted assessed assignment.</p>
14. Study resources provided:	<p><b>Study Guide:</b> Paper version</p> <p><b>Reader</b> (folder containing associated journal articles)</p> <p><b>Textbooks:</b> none</p> <p>Registered students have access to the School's online library resources. Students who are taking this as an individual module or as part of MSc PH or MSc EP will also have online access to the MSc ID core study materials (this access will exclude tutor support and associated textbooks).</p>
15. Assessment procedures:	<p>Formal assessment of this module includes an assessed assignment (30% of the total grade for the module) and a 2-hour unseen written examination (70% of the total grade for the module). The examination paper may consist of a choice of essay and short answer questions.</p> <p>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 local fee will be payable. A list of examination centres can be found at <a href="http://www.londoninternational.ac.uk/current_students/general_resources/exams/exam_centres/index.shtml">http://www.londoninternational.ac.uk/current_students/general_resources/exams/exam_centres/index.shtml</a>.</p> <p>If students fail an examination at the first entry they will be allowed one further attempt, the following year.</p>
16. Prerequisites:	<p>Those wishing to study this module must have regular access to the internet to benefit from library facilities, participate in web-based conference discussions and submit assignments.</p> <p>Students must meet the standard of English required to study this course. See <a href="http://www.lshtm.ac.uk/prospectus/english.html">http://www.lshtm.ac.uk/prospectus/english.html</a>.</p>
17. Attendance:	No maximum number
18. Selection, if applicable:	<p>This module is available only to those registered for the <u>MSc Infectious Diseases</u> (ID), <u>Epidemiology</u> (EP), or <u>Public Health</u> (PH) courses; alternatively, it can be taken as an Individual Module. Those studying for the PG Diploma ID or PH courses under the credit framework scheme may also study this module.</p> <p>Those who wish to study this module as an Individual Module or as part of an EP or PH course should note that the study material may refer to ID core</p>

	modules (IDM101, IDM102, IDM103 and IDM104) which they may not have studied. <b>In particular, students should have a prior knowledge of basic biochemistry, cell biology, genetics, immunology and parasitology in order to be able to work through and benefit fully from this module.</b> (See section 14 above.)
19. Fees:	For current schedule of fees see <a href="http://www.londoninternational.ac.uk/fees/schedules/lshtm.pdf">http://www.londoninternational.ac.uk/fees/schedules/lshtm.pdf</a> .
20. Scholarships:	None available
21. External accreditation:	None
22. Application process:	Applications are managed by the University of London International Programmes (website: <a href="http://www.londoninternational.ac.uk/">http://www.londoninternational.ac.uk/</a> ).
23. Further enquiries:	Enquiries may be emailed to <a href="mailto:distance@lshtm.ac.uk">distance@lshtm.ac.uk</a> .