

Module Specification (Distance Learning)

In collaboration with University of London International Programmes



1. Title:	Tuberculosis
2. Module code:	IDM502
3. Institution:	Faculty of Infectious and Tropical Diseases London School of Hygiene & Tropical Medicine Keppel Street London WC1E 7HT http://www.lshtm.ac.uk/itd/
4. Module Organiser:	Dr Jackie Cliff
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 Registration deadline: 31 August each year Course registration duration: Up to 5 years Course starts: 1 October each year 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 Registration deadline: 30 November each year Registration duration: 2 years Module study starts: 1 October each year 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: 75 hours Self-directed learning: 25 hours Assessment, review and revision: 50 hours.
10. Aim:	The aim of this module is to give students a broad understanding of TB control, with an emphasis on the biology and pathology of tuberculosis, and how modern techniques of molecular biology and immunology can be harnessed to combat an old plague.
11. Learning objectives:	On completing this module students should be able to: <ul style="list-style-type: none"> • explain the biology of the tubercle bacillus and its interaction with its human host, • describe the clinical features of tuberculosis, including its clinical manifestations, diagnosis and treatment among adults and children and including the effects of HIV, • analyse the current approaches to tuberculosis control, • evaluate the broader biological, social and ethical issues that relate to tuberculosis and measures for its control.

12. Content:	<p>This module consists of four sections:</p> <p>Section 1 Biology The first section introduces the history of tuberculosis, the course of the disease and the basic biology of the causative agent, <i>M. tuberculosis</i>.</p> <p>Section 2 Clinical tuberculosis The second section discusses the characteristic features of tuberculosis and post-tuberculosis disease and how HIV infection changes these. It also introduces some of the background and principles behind TB therapy and drug resistant disease.</p> <p>Section 3 Tuberculosis control This third section aims to explore the public health issues associated with TB.</p> <p>Section 4 Issues and future challenges The final section looks at the broad health issues affecting the control of TB locally, nationally and internationally.</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>Study Guide: Interactive CD-ROM.</p> <p>Reader (folder containing associated journal articles).</p> <p>Textbooks: Caminero Luna, J., (2003). <i>A Tuberculosis Guide for Specialist Physicians</i>, International Union Against Tuberculosis and Lung Disease, CDC. ISBN: 2-914365- WHO., (2003). <i>TB/HIV, A Clinical Manual</i>. 2nd Ed. World Health Organisation ISBN: 9241546344 <i>Treatment of Tuberculosis, Guidelines For National Programmes</i>. World Health Organisation, (1997). ISBN: 0119517760 Porter, J.D.H., & Grange, J. M., (1999). <i>Tuberculosis, An Interdisciplinary Approach</i>. World Scientific Publishing Company. ISBN: 1860941435</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, MSc GHP 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 http://www.londoninternational.ac.uk/current_students/general_resources/exams/exam_centres/index.shtml.</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 http://www.lshtm.ac.uk/prospectus/english.html.</p>
17. Attendance:	No maximum number
18. Selection, if applicable:	<p>This module is available only to those registered for the MSc <u>Infectious Diseases</u> (ID), <u>Epidemiology</u> (EP), <u>Global Health Policy</u> (GHP) or <u>Public Health</u> (PH) courses; alternatively, it can be taken as an Individual Module. Those studying for the PG Diploma ID, GHP 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, GHP or PH course should note that the study material may refer to ID core modules (IDM101, IDM102, IDM103 and IDM104) which they may not have studied. In particular, students 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. (See section 14 above.)</p>
19. Fees:	<p>For current schedule of fees see http://www.londoninternational.ac.uk/fees/schedules/lshtm.pdf.</p>
20. Scholarships:	None available
21. External accreditation:	None
22. Application process:	<p>Applications are managed by the University of London International Programmes (website: http://www.londoninternational.ac.uk/).</p>
23. Further enquiries:	Enquiries may be emailed to distance@lshtm.ac.uk .