

Module Specification (Distance Learning)

In collaboration with University of London International Programmes



1. Title:	Malaria
2. Module code:	IDM503
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 J. Brian de Souza
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: 100 hours Self-directed Learning: 25 hours Assessment, review and revision: 25 hours.
10. Aim:	This module aims to give students an introduction to parasites and their vectors, malaria as a disease, how it can be controlled and the factors that make it so difficult to control. Students will also learn about the successes that have already been achieved and those that are likely in future. However, there is much that we do not know about the malaria parasites, their vectors and the disease itself. Each year, malaria research adds to the scientific and medical literature. We hope that this module will give you enough information to allow you to understand the literature on the subject and to assess it critically.
11. Learning objectives:	<p>On completing this module students should be able to:</p> <ul style="list-style-type: none"> describe the malaria parasites and their vectors, and malaria as a disease, explain how malaria can be controlled by targeting the vector and the parasite and the factors that make it so difficult to control, understand the acquisition of anti-malarial immunity and the immunopathogenesis of the disease.

12. Content:	<p>This module consists of five sections:</p> <p>Section 1 Malaria: parasites and vectors The first Section is an introduction to the subject of malaria with the emphasis on the biology of the parasites and their vectors. The sessions include all the basic information you are likely to require about the parasites themselves and their mosquito vectors.</p> <p>Section 2 Malaria: the disease The second Section focuses on malaria as a disease and also covers the immunology of the infection and the genetics of the parasites, hosts and vectors.</p> <p>Section 3 Malaria: epidemiology and control The third Section is mainly concerned with the epidemiology and control of malaria.</p> <p>Section 4 Malaria: treatment The fourth Section covers four specific topics, the biochemistry of the disease, vaccination, malaria in pregnancy and imported malaria.</p> <p>Section 5 Malaria: some practical aspects The fifth Section covers in a factual way the important technical topics of laboratory and field diagnosis and <i>in vitro</i> cultivation of the parasites.</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: Warrell, D.A., & Gilles, M., (2002). <i>Essential Malariology</i>. 4th Ed. A Hodder Arnold Publication. ISBN: 0340740647 WHO., (1999). <i>Bench Aids for the Diagnosis of Malaria Infections</i>. 2nd Ed. World Health Organisation. ISBN: 9241545240 Goering, R., et al (2007) <i>Medical Microbiology</i>. 4th Ed. Mosby. ISBN: 0323044751. (Provided to non-ID students only.)</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>

	If students fail an examination at the first entry they will be allowed one further attempt, the following year.
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 <u>MSc 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:	For the current schedule of fees see http://www.londoninternational.ac.uk/fees/schedules/lshtm.pdf .
20. Scholarships:	None available
21. External accreditation:	None
22. Application Process:	Applications are managed by the University of London International Programmes (website: http://www.londoninternational.ac.uk/).
23. Further enquiries:	Enquiries may be emailed to distance@lshtm.ac.uk .