

# Module Specification (Distance Learning)

In collaboration with the University of London International Programmes



1. Title:	<b>Research Design, Management and Analysis</b>
2. Module code:	IDM601
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 Jo Robays
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:	The aim of this module is to enable students to develop and understand research projects and to give guidance to those of you who are carrying out a project as part of their MSc degree.
11. Learning objectives:	On completing this module students should be able to: <ul style="list-style-type: none"> <li>• formulate a research question and perform a literature review,</li> <li>• prepare a study protocol and identify strengths and weaknesses in research proposals,</li> <li>• anticipate and manage problems in the evolution of research projects,</li> <li>• present and disseminate research results effectively,</li> <li>• organise your MSc dissertation,</li> <li>• apply experimental approaches to the study of infections,</li> <li>• use social sciences methods in the study of infectious diseases.</li> <li>• understand how different approaches and study designs can be used and combined.</li> </ul>

12. Content:	<p>This module consists of five sections:</p> <p><b>Section 1 An overview of research</b> This first section is designed to give you insights into the philosophy of research, framing the actual research question, literature reviews and the ethical conduct of research.</p> <p><b>Section 2 Planning and managing research</b> The five sessions which comprise Section 2 are designed to help students think through different elements of a study and how to bring them together into a study protocol.</p> <p><b>Section 3 Reporting research</b> Section 3 introduces the writing skills needed by those engaged in research. The two sessions explain the purpose and structure of a research report, the second is an exercise in writing the outline of a paper.</p> <p><b>Section 4 Experimental approaches to the study of infection</b> Section 4 illustrates how laboratory research contributes to the understanding of infectious disease. The section takes HIV infection and AIDS as the paradigm for study, and looks at and reviews scientific papers which are considered to be milestones in the progress of HIV research.</p> <p><b>Section 5 Social science methods and the study of infection</b> Section 5 comprises 13 sessions that aim to introduce students to social science research methods and demonstrate how they can be used to help understand transmission and control of infectious diseases and to improve programs and control activities. The section also aims to provide students with skills in interpreting and evaluation social science research.</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> Huth, E.J., (1999). <i>Writing and publishing in Medicine</i>. 3<sup>rd</sup> Ed. Lippincott Williams &amp; Wilkins. ISBN: 0683404474 Smith, P.G., &amp; Morrow, R.H., (1996). <i>Field Trials of Health Interventions in Developing Countries – A toolbox</i>. 2<sup>nd</sup> ed. ISBN: 0333640586 Goering, R., et al (2007) <i>Medical Microbiology</i>. 4<sup>th</sup> Ed. Mosby. ISBN: 978-0323044752.</p> <p>Registered students have access to the School's online library resources.</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</p>

	<p>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 to those registered for the <u>MSc Infectious Diseases</u> course; alternatively, it may be taken as an Individual Module. Those studying for the PG Diploma ID course under the credit framework scheme may also study this module.</p> <p>MSc ID students wishing to take the project option are strongly advised to study this module before starting on their project work.</p>
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> .