



University of London External Programme

**Postgraduate Diploma in Epidemiology Programme Specification
2007-08**

General Information	
Programme title	Postgraduate Diploma in Epidemiology
Final award	Postgraduate Diploma
FHEQ level of final award	Masters 'M' Level
Associated programmes (including short courses)	Postgraduate Diploma is an intermediate award for the MSc Some individual core and advanced modules may be taken as Short Courses
FHEQ level of associated award(s)	Masters 'M' Level
Awarding body	University of London
Lead College	London School of Hygiene & Tropical Medicine
Programme Director	Anne Tholen
Mode of study	Distance learning.
Programme accredited by	Not accredited by any other body
Programme started	1999
Study year start date	September
Relevant QAA subject benchmarks	Not applicable
Registration period	Minimum period required is usually 1 academic year. Maximum period is 5 academic years.
Average time to graduation	1-3 years
Teaching Institution attendance required?	No

Admission Details	
Intake quota	No
Admissions requirements	<p>Students must have:</p> <p>Either</p> <ul style="list-style-type: none"> A degree from a university or other institution acceptable to the University of London. Work experience in a health sciences/healthcare setting is desirable but not essential. <p>Or</p> <ul style="list-style-type: none"> An appropriate professional or technical qualification, which satisfies the University as a qualification on the same level as a first degree. Work experience in a health sciences/healthcare setting is desirable but not essential. <p>For all applicants an advanced level of ability to work in English is required. Applicants may be required to pass or to have passed within the last five</p>

	<p>years, at the appropriate level, a test of proficiency in English acceptable to the University – for example a TOEFL score of 600 (or 250 in the computerised test) and a minimum of 5 in the TWE or a British Council (IELTS) overall score of 7 or over with a minimum of 7 in the written sub-test.</p> <p>All students will be required to have access to a computer with minimum hardware requirements as specified in the prospectus and email access. Internet access is strongly recommended. Students should be familiar with the use of a computer keyboard and mouse, and Microsoft Windows-based software, particularly Microsoft Word and Excel. A calculator is also needed.</p> <p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p>
<p>Possible exemptions</p> <p>Exemptions are given to students who have qualifications outside the University of London; students will be exempt from subjects but no mark will count.</p> <p>There is currently a limit on the number of exemptions that can be awarded - up to one third of a degree.</p>	<p>None</p>
<p>Credit arrangements</p> <p>Credits are given to students who have University of London qualifications; students can be credited with the same or equivalent subject previously passed and the mark they achieved will carry.</p> <p>Transfer and progression arrangements</p>	<p>Applications for credit from students and graduates of the University of London will be considered on a discretionary basis.</p> <p>In order to transfer their registration to the MSc degree from the Postgraduate Diploma, students must normally pass at the required level in each of the four Postgraduate Diploma modules and receive a recommendation from the Examiners that they may proceed to the advanced modules of the MSc. At the discretion of the Examiners, students who have been examined in and have passed three modules only, may be permitted to transfer their registration to the MSc and proceed to the advanced modules (provided the modules passed include <i>Fundamentals of epidemiology</i> and <i>Statistics with computing</i>).</p>

Programme Outcomes	
<p>Distinctive features of the Programme</p>	<p>The mission of LSHTM is to contribute to the improvement of health worldwide through the pursuit of excellence in research, postgraduate teaching, advanced training and consultancy in international public health and tropical medicine. The LSHTM has been active at the highest level in this for many years and has one of the largest groups of epidemiologists in the world.</p> <p>Epidemiology is the key discipline underlying medical research, public health practice and health care evaluation. The understanding of its principles and practice is crucial for all people involved in the design or assessment of epidemiological studies and programme evaluation.</p> <p>This distance learning programme is designed to make the LSHTM teaching</p>

	expertise available to the many people who are unable to come and study in London.
Possible routes to further study	In order to transfer their registration to the MSc degree from the Postgraduate Diploma, students must normally pass at the required level in each of the four Postgraduate Diploma modules and receive a recommendation from the Examiners that they may proceed to the advanced modules of the MSc. At the discretion of the Examiners, students who have been examined in and have passed three modules only, may be permitted to transfer their registration to the MSc and proceed to the advanced modules (provided the modules passed include <i>Fundamentals of epidemiology</i> and <i>Statistics with computing</i>).
Possible graduate employment routes	The programme is aimed at professionals in academic departments, research modules or the health services. It is suitable for those aiming for a career in epidemiological research, academics in other health areas and health professionals. It will also be of interest to those who are required to understand epidemiology such as medical journalists, and scientific officers in government and industry.

Programme Content and Structure	
Learning aims, objectives and intended outcomes	<p>The aims are to</p> <ul style="list-style-type: none"> • provide students with the appropriate knowledge and skills from which to form a competency in epidemiology • promote students' use of the conceptual and practical tools needed to contribute to initiating research, and understanding developments in their field • provide a framework of critical and evaluative skills that can be used to apply independent scientific judgment • prepare students for a career in research or for further advancement in professional practice. <p>Subject Specific and Intellectual Skills</p> <p>Students will be expected to</p> <ul style="list-style-type: none"> • demonstrate knowledge and understanding of epidemiological methods, and their application to a range of health-related issues • demonstrate knowledge of the main types of epidemiological study and the key issues in their use • choose appropriate designs for epidemiological studies • understand the sources of error and bias in epidemiological studies and strategies available to deal with them • develop skills in handling data and presenting quantitative results • enter and manage computerised epidemiological data • carry out appropriate statistical analyses of epidemiological data and interpret the results (to limited extent only) • evaluate critically their own work and studies conducted by other investigators, including critical appraisal of the study question, study design, methods, conduct and analysis. <p>Generic skills</p> <p>Students will be expected to develop skills to</p> <ul style="list-style-type: none"> • scrutinize information and critically analyse details • carry out scientific research and evaluate scientific evidence • problem solve

	<ul style="list-style-type: none"> communicate effectively and to undertake intellectual debate. 								
Learning and teaching methods, including support, guidance, materials provided and study requirements	<p>This Postgraduate Diploma is self-taught using the fully comprehensive study materials provided. The delivery of the diploma is predominantly computer-based with students using interactive methods within the teaching and learning materials.</p> <p>Students receive support in several ways including:</p> <ul style="list-style-type: none"> Web-based/email discussion forums supervised by tutors Email support from subject tutors Personalised tutorial feedback on set assignments (by email) Coffee-room conferencing site where students can meet Contact details of other students on the programme, for support and networking. <p>A registered student will also receive: Programme Regulations, Student handbook, textbooks, CD-ROMs (all but 2 Epidemiology study modules) and/or paper-based subject guides, readers (containing copies of recent articles etc.) and past examination papers with the Examiners' reports. Certain core modules are supplemented with relevant statistical software and workbook/readers.</p>								
Programme structure	<p>The Postgraduate Diploma consists of the following:</p> <ul style="list-style-type: none"> four compulsory core modules <p>In any one-year students may study and be examined in a maximum of four core modules. A student must take and be examined in <i>Fundamentals in epidemiology</i> and <i>Statistics with computing</i> in their first stage of study.</p> <p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p>								
Syllabus	<p>Four compulsory core modules:</p> <p><i>Fundamentals of epidemiology</i> <i>Statistics with computing</i> <i>Practical epidemiology</i> <i>Writing and reviewing scientific papers</i></p> <p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p>								
Programme Regulations	<p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p> <p>http://www.londonexternal.ac.uk/current_students/general_resources/regulations/index.shtml</p>								
Assessment methods, including the proportion of the different methods used	<ul style="list-style-type: none"> Each individual core module will be assessed by one two-hour unseen written paper with the exception of <i>Writing and reviewing scientific papers</i> which will be assessed by a two-part written assignment <p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p>								
Marking scheme and classification criteria	<p>The MSc will be awarded with a grading of Distinction, Pass, Fail. The calculation of the unseen written papers, assignments and the final result is provided in the Programme Regulations.</p> <table> <thead> <tr> <th>Mark</th> <th>Class Equivalent</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Distinction</td> </tr> <tr> <td>B+,B,C</td> <td>Pass</td> </tr> <tr> <td>D,E</td> <td>Fail</td> </tr> </tbody> </table> <p>Refer to the MSc and Postgraduate Diploma in Epidemiology Programme Regulations that are reviewed annually.</p>	Mark	Class Equivalent	A	Distinction	B+,B,C	Pass	D,E	Fail
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A	Distinction								
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Estimated study hours	In order to complete the programme in the minimum period (one year) a								

overall	student should be prepared to study between 15-25 hours per week during the annual study year.
Intellectual development (rationale of progression through programme)	The modules (<i>Fundamentals of epidemiology</i> and <i>Statistics with computing</i>) provide the basic epidemiological and statistical principles and methods. The following module <i>Practical epidemiology</i> teaches more practical skills including an introduction to the planning and conduct of epidemiological studies. The final module <i>Writing and reviewing scientific papers</i> covers critique and writing skills calling on knowledge gained in the first 3 modules.

Quality Assurance	
Particular indicators of quality	<p>The following provide important information on the quality of the Epidemiology programme.</p> <p><i>Assessment procedures</i> External examiners, together with the Board of Examiners approve examination papers and assignments together with the marking schemes. All assessed course work and examinations are blind double marked. External examiners review samples of students' written assignments and examination scripts, and grades awarded.</p> <p><i>Quality of tutoring</i> A system of ongoing review of written tutor feedback is in place.</p> <p><i>Quality of course material</i> All study modules are reviewed by an external assessor, followed by periodic internal review.</p> <p>Annual update of course material as appropriate to take into account tutor and student comments throughout the year.</p> <p><i>Systematic reporting and review</i> A Course Committee meet three times a year to review all current course issues.</p> <p><i>Student feedback</i> Students are invited to complete an evaluation form for each study module completed and an end of year evaluation form asking about their overall study experience for a given year.</p> <p>Student representatives of the Epidemiology programme are elected each year and are members of the Epidemiology Course Committee.</p> <p>All student feedback is summarised, with action plans produced to deal with issues raised at the end of each academic year. These are approved by the Course Committee and followed through.</p>
Methods of assuring, evaluating and improving quality and standards of the programme	<p>The University of London statute 66 (2), states that: 'Candidates granted degrees and other awards shall have attained the same academic standard irrespective of mode or place of study or examination.' Degrees and Diplomas awarded to External students are, therefore, examined to the same standard as those granted to Internal students of the University.</p> <p>In support of this statute, the External Programme and individual Lead Colleges share responsibility for ensuring the quality of External provision.</p>

	<p>The Quality Assurance Framework for the External Programme defines this shared responsibility and covers areas including:</p> <p><i>The bidding process</i> External programmes must undergo validation & approval under Lead College mechanisms and with reference to national QAA benchmark statements.</p> <p><i>Student and programme management</i> This includes the admission, registration and progression of students, establishment of assessment procedures and appointment of boards of examiners.</p> <p><i>System wide matters</i> Academic policy and development is the responsibility of the External System Lead Colleges Committee, the membership of which is made up of representatives of all the Lead Colleges at Vice-Principal level. The qualifications framework for External programmes outlines the different levels of undergraduate and postgraduate study and the awards which may be made to External students.</p> <p><i>Systematic reporting and the review process</i> External Examiners make annual reports on assessment procedures and standards set and achieved. Annual Programme Reports provide annual summaries of programme information. These reports are considered and acted on as part of an annual review process.</p>
Programme validation/approval	This programme commenced before the introduction of the current Quality Assurance framework for External programmes. Future programme approval or revalidation would be undertaken by the Education Committee and reported to the School Council at the London School of Hygiene & Tropical Medicine.
Appointment of External Examiners	External Examiners for External Programmes are nominated and appointed by the Lead College or Consortium, using approval processes which are parallel with those used for the appointment of External Examiners to Boards of Examiners assessing College-based students.
Student feedback mechanisms	External Programme wide student feedback mechanisms are currently under development therefore no standard data is available yet. LSHTM mechanisms are described earlier under Quality Assurance.