# Module Specification

## GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Introduction to Demographic Analysis</th>
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<tbody>
<tr>
<td>Module code</td>
<td>DEM101</td>
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<tr>
<td>Module Organiser(s)</td>
<td>Jim Todd and Alison Wringe</td>
</tr>
<tr>
<td>Contact email</td>
<td>The LSHTM distance learning programmes and modules are run in collaboration with the University of London (UoL). Enquiries may be made via their Student Advice Centre at: general <a href="https://london.ac.uk/contact-us">https://london.ac.uk/contact-us</a> email-form click <a href="https://london.ac.uk/contact-us">here</a> (Enquiries from face-to-face i.e. London-based LSHTM MSc or research students regarding study of DL modules should be emailed to <a href="mailto:DEMsupport@lshtm.ac.uk">DEMsupport@lshtm.ac.uk</a>)</td>
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<tr>
<td>Home Faculty</td>
<td>Faculty of Epidemiology &amp; Population Health London School of Hygiene and Tropical Medicine <a href="http://www.lshtm.ac.uk/eph/">http://www.lshtm.ac.uk/eph/</a></td>
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<tr>
<td>Level</td>
<td>This module is at Level 7 (postgraduate Masters 'M' level) of the QAA Framework for Higher Education Qualifications in England, Wales &amp; Northern Ireland (FHEQ).</td>
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<tr>
<td>Credit</td>
<td>LSHTM award 15 credits on successful completion of this module.</td>
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<tr>
<td>Accreditation</td>
<td>Not currently accredited by any other body.</td>
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<tr>
<td>Keywords</td>
<td>Demography; quantitative methods.</td>
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## AIMS, OBJECTIVES AND AUDIENCE

### Overall aim

To enable students to understand and apply basic techniques of demographic analysis relevant to the study of population and health and to enable students to understand how demographic data are collected and introduce slightly more advanced methods of demographic analysis.

### Intended learning outcomes

By the end of this module, students should be able to:

- Apply key techniques used in demographic analysis for the measurement of fertility and mortality
- Interpret basic demographic data
- Explain the usefulness of a demographic approach for the study of population and health issues
- Undertake demographic analysis for the measurement of fertility, mortality, migration and population change and structure
- Appreciate how different types of demographic information are collected and used.
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<tr>
<th><strong>Target audience</strong></th>
<th><em>Introduction to Demographic Analysis</em> is a core module for all students on the DL PG Certificate/PG Diploma/MSc Demography and Health programmes.</th>
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### CONTENT

| **Session content** | The module will include sessions addressing the following topics:  
Session 1 Demography on the world stage  
Session 2 How to measure demographic events  
Session 3 How demographers think about populations: age and sex  
Session 4 Measuring fertility  
Session 5 Biological and social determinants of fertility  
Session 6 Measurement of mortality statistics and standardisation  
Session 7 Life Tables I  
Session 8 Life Tables II  
Session 9 Migration and population distribution  
Session 10 Population projections: concepts and methods |

### TEACHING, LEARNING AND ASSESSMENT

| **Study resources provided or required** | The following materials are provided to students after registration for this module when the online learning site, Moodle, opens in October:  
- A brief guide to studying the module.  
- The main learning materials (sessions listed above, provided on Moodle).  
- A reading list including details of both required and optional reading and links to selected papers.  
- A list of useful websites.  
The School's Moodle site allows students to access a range of materials, including those listed above; participate in module-specific discussion forums and Collaborate sessions, and access the LSHTM online library resources. |

| **Teaching and learning methods** | Learning is self-directed against a detailed set of learning objectives using the materials provided. The key learning methods are:  
- Reading and reflecting on the CAL (computer-assisted learning) materials which introduce, explain and apply the principles and methods covered in the module.  
- Reading and reflecting on provided materials which support the learning in the CAL sessions. This may include making use of the LSHTM online library resources.  
- Accessing academic support which is available from the module tutors through the web-based discussion forums and real-time sessions (using Collaborate Ultra) in which students are encouraged to participate.  
- Completing formative assignment(s) and reflecting on written feedback from module tutors. |

| **Assessment details** | Formal assessment of this module includes an assessed assignment (30%) and an unseen written examination (70%) with 15 minutes reading/planning time. If students fail the module overall, they are allowed one further attempt at the failed element (assignment or examination). |
| **Assessment dates** | Assessed Assignments for this module can be submitted only once annually, no later than 31 March and must be submitted via the online Assignment Management System.

Unseen written examinations for DL modules are held once a year, in June (including resits). Examinations are normally taken in a student's country of residence, in one of over 650 examination centres worldwide (arranged mainly through Ministries of Education or the British Council).

A list of examination centres can be found at [https://london.ac.uk/current-students/examinations/examination-centres](https://london.ac.uk/current-students/examinations/examination-centres)

A local fee will be payable direct to the examination centre. This fee is in addition to the programme/module fee and is set by, and paid directly to, the individual examination centres. The level of local examination centre fees varies across the world and neither the University of London nor the LSHTM have any control over the fee amount. |
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<tr>
<td><strong>Language of study and assessment</strong></td>
<td>English (please see ‘English language requirements’ below regarding the standard required for entry).</td>
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**TIMING AND MODE OF STUDY**

| **Duration** | Students may start their studies once they have access to Moodle (usually from 1 October) and work through the material until the start of the June examinations (although assessment submission deadlines which are earlier than this must be observed).

Students registering after September should note that introductory messages, and some online activities (for example Moodle discussions and/or real-time welcome sessions) may have already taken place before they get access to Moodle. All such messages and recordings (where applicable) will be available to access throughout the study year. |
| **Dates** | Tutorial support for this module is available from the beginning of October through to the examination in June. |
| **Mode of Study** | By distance learning |
| **Learning time** | The notional learning time for the module totals 150 hours, consisting of:

- **Directed self-study** (reading and working through the provided module material) ≈ 80 hours
- **Self-directed learning** (general reading around the subject, library, Moodle discussion forums) ≈ 30 hours
- **Assessment, review and revision** ≈ 40 hours. |

**APPLICATION, ADMISSION AND FEES**

<p>| <strong>Pre-requisites</strong> | Those wishing to study this module must have regular access to the internet to access the module study materials, participate in module-specific discussions on Moodle, benefit from online library facilities and submit assignments. |</p>
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<tr>
<th><strong>English language requirements</strong></th>
<th>A strong command of the English language is necessary to benefit from studying the module. Applicants whose first language is not English or whose prior university studies have not been conducted wholly in English must fulfil LSHTM’s English language requirements with an acceptable score in an approved test taken in the two years prior to entry. Applicants may be asked to take a test even if the standard conditions have been met.</th>
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<tbody>
<tr>
<td><strong>Student numbers</strong></td>
<td>The number of students actively studying this module is expected to be 10-25 students.</td>
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<td><strong>Student selection</strong></td>
<td>This module is compulsory for students registered on the DL PG Certificate/PG Diploma/MSc Demography and Health programmes. This module is also open to LSHTM research degree students via the mixed mode study option.</td>
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<td><strong>Fees</strong></td>
<td>The current schedule of fees can be viewed at <a href="https://www.lshtm.ac.uk/study/fees-funding/tuition-fees/tuition-fees-and-expenses-2018-19">https://www.lshtm.ac.uk/study/fees-funding/tuition-fees/tuition-fees-and-expenses-2018-19</a></td>
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<tr>
<td><strong>Scholarships</strong></td>
<td>Scholarships are not available for individual modules. Some potential sources of funding are detailed on the LSHTM website.</td>
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| **Admission deadlines** | Applications for LSHTM distance learning programmes and modules are managed by the University of London. To apply to take either a formal award (i.e. PG Certificate, PG Diploma or MSc) or an individual module, click on the red Apply Now tab [https://london.ac.uk/courses/demography-and-health](https://london.ac.uk/courses/demography-and-health) for applications.  
Key deadlines are as follows:  
- Application deadline: 31st August each year  
- Registration deadline: 30 September each year  
(In-house LSHTM research students wishing to study this module should note information given in the mixed mode study option links for DrPH/research degree students at [http://intra.lshtm.ac.uk/edu/researchdegrees/rdsupportframework/profdev/rd_mixedmodeinformation.pdf](http://intra.lshtm.ac.uk/edu/researchdegrees/rdsupportframework/profdev/rd_mixedmodeinformation.pdf)) |

**ABOUT THIS DOCUMENT**

This module specification applies for the academic year 2018/19  
Last revised/approved 29/05/2018 by Jim Todd  
London School of Hygiene & Tropical Medicine, Keppel St., London WC1E 7HT.  
[www.lshtm.ac.uk](http://www.lshtm.ac.uk)