## Module Specification

### ABOUT THIS DOCUMENT

This module specification applies for the academic year 2019-20

**Last revised** 30 August 2019

London School of Hygiene & Tropical Medicine, Keppel St., London WC1E 7HT. [www.lshtm.ac.uk](http://www.lshtm.ac.uk)

### GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Module name</th>
<th>Clinical Bacteriology 1</th>
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</thead>
<tbody>
<tr>
<td>Module code</td>
<td>3157</td>
</tr>
<tr>
<td>Module Organiser</td>
<td>Dr Richard Stabler</td>
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<td>Contact email</td>
<td><a href="mailto:Richard.Stabler@lshtm.ac.uk">Richard.Stabler@lshtm.ac.uk</a></td>
</tr>
<tr>
<td>Home Faculty</td>
<td>Infectious &amp; Tropical Diseases</td>
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<tr>
<td>Level</td>
<td>Level 7 (postgraduate Masters 'M' level) of the QAA <a href="http://www.framework.qa.ac.uk">Framework for Higher Education Qualifications</a> in England, Wales &amp; Northern Ireland (FHEQ)</td>
</tr>
<tr>
<td>Credit</td>
<td>15 credits</td>
</tr>
<tr>
<td>Accreditation</td>
<td>Not currently accredited by any other body</td>
</tr>
<tr>
<td>Keywords</td>
<td>Bacterial, Laboratory Science</td>
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### AIMS, OBJECTIVES AND AUDIENCE

**Overall aim**

To provide a review of the aetiology, pathogenesis, epidemiology, diagnosis, control and therapy of human bacterial infections of clinical importance.

**Intended learning outcomes**

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

- Demonstrate knowledge and understanding of essential theory and practice of bacteriology of infectious diseases
- Demonstrate knowledge and understanding of bacteriological investigations required for the diagnosis and treatment of the infected individual
- Perform various clinical laboratory procedures including specimen processing, isolation, identification and susceptibility testing of bacterial pathogens

**Target audience**

This module is intended for students who wish to understand the principles of clinical bacteriology and to be introduced to diagnostic laboratory practice and management.

### CONTENT

**Session content**

The module is expected to include sessions addressing the following topics:

- Infectious bacterial diseases
• Laboratory investigations necessary for the diagnosis and treatment of the infected individual
• Processing of clinical specimens, including isolation, identification and susceptibility testing of bacterial pathogens

TEACHING, LEARNING AND ASSESSMENT

Study resources provided or required
Module Information can be found on the Virtual Learning Environment (Moodle) containing information about each session and key references for the module. All materials and equipment for the practical sessions will be provided.

Teaching and learning methods
The module consists of lectures and practical sessions. The practical focus is of particular importance.

Assessment details
Students will sit a two hour written examination covering all aspects of the module. The written examination will consist of short notes questions (50% of marks) and there will also be practical spot tests (50% of marks) to determine students’ ability to apply acquired knowledge in the identification of bacterial pathogens.

Resit/deferred/new attempts - The task will be a coursework assessment consisting of 4 short essay questions. Short essay titles will be provided in early September.

Assessment dates
Assessments will take place during Week 5 of the C2 slot.

Resit/deferred/new attempts - The next assessment deadline will be during mid/late September of the current academic year.

Language of study and assessment
English (please see ‘English language requirements’ below regarding the standard required for entry).

TIMING AND MODE OF STUDY

Duration
5 weeks at 2.5 days per week

Dates
Wednesday lunchtime to Friday afternoon

Timetable slot
Term 2 - slot C2

Mode of Study
The module is taught face-to-face in London. Both full-time and part-time students follow the same schedule.

Learning time
The notional learning time for the module totals 150 hours, consisting of:
• Contact time ≈ 52 hours
• Self-directed learning ≈ 48 hours
• Assessment, review and revision ≈ 50 hours

APPLICATION AND ADMISSION

Pre-requisites
This module is a natural progression for students who have taken the Bacteriology & Virology (3121) module during the autumn term. Students who have not taken this module should be aware of the large practical component of this module that builds on areas covered during the Bacteriology & Virology (3121) module.

English language requirements
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](#).

<table>
<thead>
<tr>
<th><strong>Student numbers</strong></th>
<th>20 to 24 (numbers may be capped due to limitations in facilities or staffing)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Student selection</strong></td>
<td>Preference will be given to LSHTM MSc Medical Microbiology students who studied the Bacteriology &amp; Virology (3121) module in Term 1. Other applicants meeting the entry criteria will usually be offered a place in the order applications are received, until any cap on numbers is reached. Applicants may be placed on a waiting list and given priority the next time the module is run. Full Registration (full participation) by LSHTM research degree students is required for this module.</td>
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