

Module Specification

LONDON
SCHOOL of
HYGIENE
& TROPICAL
MEDICINE



ABOUT THIS DOCUMENT

This module specification applies for the academic year 2019-20

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London School of Hygiene & Tropical Medicine, Keppel St., London WC1E 7HT. www.lshtm.ac.uk

GENERAL INFORMATION

Module name	Clinical Bacteriology 1
Module code	3157
Module Organiser	Dr Lisa Dawson
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Home Faculty	Infectious & Tropical Diseases
Level	Level 7 (postgraduate Masters 'M' level) of the QAA Framework for Higher Education Qualifications in England, Wales & Northern Ireland (FHEQ)
Credit	15 credits
Accreditation	Not currently accredited by any other body
Keywords	Bacterial, Laboratory Science

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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• Infectious bacterial diseases
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	<ul style="list-style-type: none"> • 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	<p>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.</p> <p>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.</p>
Assessment dates	<p>Assessments will take place during Week 5 of the C2 slot.</p> <p>Resit/deferred/new attempts - The next assessment deadline will be during mid/late September of the current academic year.</p>
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	<p>The notional learning time for the module totals 150 hours, consisting of:</p> <ul style="list-style-type: none"> • 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 .
Student numbers	20 to 24 (numbers may be capped due to limitations in facilities or staffing)
Student selection	<p>Preference will be given to LSHTM MSc Medical Microbiology students who studied the Bacteriology & 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.</p> <p>Full Registration (full participation) by LSHTM research degree students is required for this module.</p>