



Module Specification		 UNIVERSITY OF LONDON INTERNATIONAL PROGRAMMES	LONDON SCHOOL of HYGIENE & TROPICAL MEDICINE 
GENERAL INFORMATION			
Module name	Healthcare-associated infections		
Module code	IDM205		
Module Organiser(s)	Dr Astrid Leck		
Contact email	<p>The LSHTM distance learning courses and modules are run in collaboration with the University of London International Programmes. Enquiries may be made via their Student Advice Centre at: http://www.londoninternational.ac.uk/contact-us.</p> <p>(Enquiries from face-to-face i.e. London-based LSHTM MSc or research students regarding study of DL modules should be emailed to distance@lshtm.ac.uk.)</p>		
Home Faculty	Faculty of Infectious and Tropical Diseases London School of Hygiene & Tropical Medicine http://www.lshtm.ac.uk/itd/		
Level	This module is at Level 7 (postgraduate Masters 'M' level) of the QAA Framework for Higher Education Qualifications in England, Wales & Northern Ireland (FHEQ)		
Credit	LSHTM award 15 credits on successful completion of this module		
Accreditation	Not currently accredited by any other body		
Keywords	Healthcare-associated infection, hospital infection, infection control, nosocomial, nursing, outbreak, hygiene, microorganisms, aseptic technique, disinfection, sterilisation.		
AIMS, OBJECTIVES AND AUDIENCE			
Overall aim	The aim of this module is to give students the necessary knowledge to be able to develop a strategy to prevent healthcare associated and hospital infections. If presented with infected patients, the students would know what clinical samples should be collected and how the information derived from them could be used to inform a strategy for the prevention of healthcare associated infection.		
Intended learning outcomes	By the end of this module, students should be able to discuss the: <ul style="list-style-type: none"> • essential theory and practice of nosocomial infections, • microbiological diagnosis and control of these infections, • role of health care professionals in the surveillance and management of healthcare associated infections. 		
Target audience	This module is intended for those who wish to understand the principles of healthcare associated infections and to apply this knowledge to the prevention of infection in the healthcare setting in which they work.		

CONTENT	
Session content	<p>The module includes sections addressing the following topics:</p> <p>Section 1 Epidemiology and management How to develop a suitable management response: the role of epidemiology in the managerial & organizational requirements for the prevention & control of healthcare associated infections.</p> <p>Section 2 Microorganisms and the spread of infection The aetiology and pathogenesis of nosocomial pathogens and the role of the microbiology laboratory in the diagnosis and surveillance of infections.</p> <p>Section 3 Prevention of infection: nursing aspects Preventative measures which are essential components in the delivery of care to patients; principally, aseptic & hygienic techniques and isolation as a means of infection control.</p> <p>Section 4 Prevention of infection: hospital and healthcare environment. The procedures and systems necessary to prevent the spread of infection within hospital & healthcare settings; including cleaning, disinfection, sterilization, disposal of clinical waste, processing laundry, kitchen hygiene and management of patients at particular risk.</p>
TEACHING, LEARNING AND ASSESSMENT	
Study resources provided or required	<p>The following materials are provided to students after registration for this module once a year in September:</p> <p>Study Guide: Paper version.</p> <p>Reader: Reprints of associated journal articles</p> <p>Textbooks:</p> <ul style="list-style-type: none"> • Goering, R.V., Dockrell, H.M., Zuckerman, M., Roitt, I.M. and Chiodini, P.L., (2012) <i>Mims' Medical Microbiology</i>, 5th Ed. ISBN: 978-0723436010. • Fraise, A.P., & Bradley, C., (2009). <i>Ayliffe's Control of Healthcare Associated Infection: A Practical Handbook</i>. 5th Ed. Oxford University Press. ISBN: 9780340914519. <p>In addition to the materials above, students are given access to the LSHTM Virtual Learning Environment, Moodle (for web-based discussion forums etc.) and the LSHTM online library resources.</p> <p>Audio-recordings of on-campus lectures are not available for this module.</p>
Teaching and learning methods	<p>Learning is self-directed against a detailed set of learning objectives using the materials provided. Students are strongly encouraged to participate in the module-specific discussion forums available on Moodle to obtain tutor support, and to make use of LSHTM online library resources. In addition, written feedback is provided on submitted assignments.</p>
Assessment details	<p>Formal assessment of this module includes a two-hour unseen written paper examination with 15 minutes' additional reading/planning time (70%) and an assessed assignment (30%).</p> <p>If students fail the module overall, they are allowed one further attempt at the failed element (examination and/or assignment).</p>
Assessment dates	<p>Assignments for this module can be submitted only once annually, no later than 31st March and must be submitted via the online Assignment Management System.</p> <p>Unseen written examinations for DL modules are held once a year, in June (including resits).</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 list of examination centres can be found at http://www.londoninternational.ac.uk/community-support-resources/current-students/examinations/examination-centres.</p> <p>A local fee will be payable direct to the examination centre. This fee is in addition to the course/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 International Programmes nor the LSHTM have any control over the fee amount.</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	Distance learning module studies begin in early October. Students may start their studies at any time from receipt of study materials and work through the material until the start of the June examinations (although assessment submission deadlines which are earlier than this must be observed).
Dates	Tutorial support for distance learning modules is available from the beginning of October through to the end of May.
Mode of Study	By distance learning.
Learning time	<p>The notional learning time for the module totals 150 hours, consisting of:</p> <ul style="list-style-type: none"> • Directed self study (reading and working through the provided module material) ≈ 75 hours • Self-directed learning (general reading around the subject, library, Moodle discussion forums) ≈ 25 hours • Assessment, review and revision ≈ 50 hours
APPLICATION, ADMISSION AND FEES	
Pre-requisites	<p>To benefit fully from this module those who register for it are strongly recommended either to be currently working in or to have previously worked in a healthcare setting. The type of healthcare setting is unimportant.</p> <p>Those who wish to study this module as part of another course, or as an individual module, should have a prior knowledge of basic biochemistry, cell biology, genetics and immunology in order to be able to work through and benefit fully from this module.</p> <p>Those wishing to study this module must have regular access to the internet to participate in module-specific discussions on Moodle, benefit from online library facilities and submit assignments.</p>
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 , 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.

Student numbers	There is no cap on the number of students who can register for this distance learning module. The number of students actively studying this module varies, but typically approx. 45 students register for the module per year.
Student selection	<p>This module is available to be studied by students on the following distance learning courses:</p> <p>MSc or PG Diploma Infectious Diseases (ID), Clinical Trials (CT), Public Health (PH) or MSc Epidemiology (EP) courses.</p> <p>Alternatively, students may register for this as an “individual module”.</p> <p>This module is also open to students registered on LSHTM face-to-face (i.e. London-based) MSc courses (subject to course-specific limitations) and research degree students.</p>
Fees	The current schedule of fees can be viewed at http://www.londoninternational.ac.uk/fees (click on the LSHTM course link)
Scholarships	Scholarships are not available for individual modules. Some potential sources of funding are detailed on the LSHTM website.
Admission deadlines	<p>Applications for LSHTM distance learning courses and modules are managed by the University of London International Programmes. To apply to take either a formal award (i.e. PG Certificate, PG Diploma or MSc) or an individual module, click on the relevant link on the right hand side of the page at http://www.londoninternational.ac.uk/courses/postgraduate/lshtm/infectious-diseases-msc-postgraduate-diploma-postgraduate-certificate.</p> <p>Key deadlines are as follows:</p> <ul style="list-style-type: none"> • If taken as part of a formal award (i.e. PG Certificate, PG Diploma or MSc): <ul style="list-style-type: none"> ➢ Application deadline: 31 August each year ➢ Registration deadline 30 September each year (<i>continuing students may register until 31 October but are strongly recommended to register before this deadline because the study year starts beginning of October</i>) • If taken as an individual module: <ul style="list-style-type: none"> ➢ Application deadline: 31 August each year ➢ Registration deadline: 31 October each year <p>(In-house LSHTM MSc and research students wishing to study this module should note information given in the mixed mode study option links, for MSc students at http://www.lshtm.ac.uk/edu/taughtcourses/handbooks_regs_pols/msc_mixed_modeinformation.pdf, and for DrPH/research degree students at http://intra.lshtm.ac.uk/edu/researchdegrees/rdsupportframework/profdev/rd_mixedmodeinformation.pdf.)</p>
ABOUT THIS DOCUMENT	
This module specification applies for the academic year 2017/18.	
Last revised/approved by Astrid Leck on 08/02/17	
Further revisions revised [Date / Month / Year], by [Name]	
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