

## MODULE SPECIFICATION

<b>Academic Year (student cohort covered by specification)</b>	2021-22
<b>Module Code</b>	IDM202
<b>Module Title</b>	Nutrition and Infection
<b>Module Organiser(s)</b>	Kate Godden
<b>Contact email</b>	The LSHTM distance learning programmes and modules are run in collaboration with University of London Worldwide. Enquiries may be made via <a href="#">the Student Advice Centre</a> . (Enquiries from face-to-face i.e. London-based the LSHTM MSc or research students regarding study of DL modules should be emailed to <a href="mailto:distance@lshtm.ac.uk">distance@lshtm.ac.uk</a> .)
<b>Faculty</b>	Infectious & Tropical Diseases: The London School of Hygiene & Tropical Medicine <a href="https://www.lshtm.ac.uk/research/faculties/itd">https://www.lshtm.ac.uk/research/faculties/itd</a>
<b>FHEQ Level</b>	Level 7
<b>Credit Value</b>	<b>CATS:</b> 15 <b>ECTS:</b> 7.5
<b>HECoS Code</b>	100247:100345 (1:1)
<b>Mode of Delivery</b>	Distance Learning
<b>Mode of Study</b>	Directed self-study, through provided and online materials
<b>Language of Study</b>	English
<b>Pre-Requisites</b>	Those who wish to study this module as an Individual Module or as part of another programme 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. It is useful, but certainly not essential for students to have a pre-existing knowledge of nutrition.
<b>Accreditation by Professional Statutory and Regulatory Body</b>	None
<b>Module Cap (Maximum number of students)</b>	None
<b>Target Audience</b>	This module is intended for those who wish to understand the principles of nutrition and infection. This can be applied in the field such as feeding programmes, community

	nutrition programmes, nutrition and infection education and programme planning. It is also relevant for those who work in clinical based settings.
<b>Module Description</b>	This module covers the interaction between nutrition and infection.
<b>Duration</b>	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).
<b>Last Revised (e.g. year changes approved)</b>	November 2020

<b>Programme(s)</b>	<b>Status</b>
This module is linked to the following programme(s)	
PGDip/MSc Infectious Diseases (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Clinical Trials (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Epidemiology (Distance Learning - University of London Worldwide)	Elective Option
PGDip/MSc Global Health Policy (Distance Learning - University of London Worldwide)	Elective Option
PGDip Public Health (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health (General Stream) (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Environment and Health (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Health and Promotion (Distance Learning - University of London Worldwide)	Elective Option
MSc Public Health: Health Services Management (Distance Learning - University of London Worldwide)	Elective Option

## Module Aim and Intended Learning Outcomes

<b>Overall aim of the module</b>
<p>The overall module aim is to:</p> <ul style="list-style-type: none"> <li>provide students with a basic understanding of the interplay between nutrition and infections, and prepare students to deal with the practical and basic operational management of under-nutrition at either the individual or population level.</li> </ul>

## Module Intended Learning Outcomes

Upon successful completion of the module a student will be able to:

1. contextualise and critique discussions on the interplay between nutrition and infection
2. appraise the role infection plays in the aetiology and pathogenesis of under-nutrition,
3. explain how nutritional status, including micronutrient, affects the host defence mechanisms and influences resistance to infection,
4. identify the most relevant nutrients that influence the risk of infection, and evaluate the evidence for this interaction between specific micronutrients and infections.

## Indicative Syllabus

### Session Content

The module includes sections addressing the following topics:

Section 1 - The study of nutrition and infection

Section 2 - Basics of immunology and nutrition

Section 3 - Inter-relationship between undernutrition and infection

Section 4 - The role of micronutrients in the risk of infection

Section 5- Nutrition through the lifecycle

Section 6 - Key infections

Section 7 - Emerging associations in nutrition and infection

## Teaching and Learning

### Notional Learning Hours

Type of Learning Time	Number of Hours	Expressed as Percentage (%)
Directed self-study	77	51.3
Self-directed learning	23	15.3
Assessment, review and revision	50	33.3
<b>Total</b>	<b>150</b>	<b>100</b>

### Teaching and Learning Strategy

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 the LSHTM online library resources. In addition, written feedback is provided on submitted assignments.

## Assessment

### Assessment Strategy

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 comprising a 2500 word essay (30%).

### Summative assessment

Assessment Type	Assessment Length	Weighting (%)	Intended Module Learning Outcomes Tested
Assessed Assignment	2500 words	30	1, 3, 4
Exam	2 hours 15 minutes	70	1, 2, 3

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).

Exams will be held in accordance with annual UoL guidance. They will be conducted in the same format for all students either online or in international exam centres.

There are 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 <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.

### Resitting assessment

Resits will accord with the LSHTM's [Resits Policy](#).

The Resit assessment will be the same assessment type as the first attempt (see previous table).

## Resources

### Indicative reading list

- Goering, R.V., Dockrell, H.M., Zuckerman, M. and Chiodini, P.L., (2018) *Mims' Medical Microbiology and Immunology*. 6<sup>th</sup> Ed.  
ISBN: 978-0702071560.

Textbooks will be made available in e-format or hard copy to registered students in early autumn.

### Other resources

**Study Guide:** Paper version

**Reader:** Online reading list via the Virtual Learning Environment

In addition to the materials above, students are given access to the **LSHTM Virtual Learning Environment, Moodle** where they can access the study guide, reading list, web-based discussion forums, assignments, supplementary materials and the **LSHTM online library resources**.

## Teaching for Disabilities and Learning Differences

The module-specific site on Moodle provides students with access to the module learning materials, including a study guide (with accessible printable versions of sessions) and online reading list (containing essential readings, and textbooks if available), and additional resources including supplementary exercises. All materials posted up on Moodle areas, including computer-based sessions, have been made accessible where possible. The LSHTM Moodle has been made accessible to the widest possible audience, using a VLE that allows for up to 300% zoom, permits navigation via keyboard and use of speech recognition software, and that allows listening through a screen reader. All students have access to "[SensusAccess](#)" software which allows conversion of files into alternative formats.

If you have specific, access requirements please contact the Inclusive Practice Manager via [special.arrangements@london.ac.uk](mailto:special.arrangements@london.ac.uk) to request an alternative format of the study guide and for special exam arrangements.