

Module Specification

LONDON
SCHOOL of
HYGIENE
& TROPICAL
MEDICINE



ABOUT THIS DOCUMENT

This module specification applies for the academic year 2017-18

Last revised: 21 September 2016 by John Peck; 30 August 2017 by Helen Harris-Fry

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GENERAL INFORMATION

Module name	Maternal & Child Nutrition
Module code	2440
Module Organiser	Andrew Prentice, Helen Harris-Fry
Contact email	Andrew.Prentice@lshtm.ac.uk ; Helen.harris-fry@lshtm.ac.uk
Home Faculty	Epidemiology & Population Health
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	Sexual & reproductive health; Child health; Nutrition; Biological factors; Genetic endowment; Biomedical sciences/disciplines; Food, Research; Epidemiology; Planning and programming; International/global; Rural; Urban.

AIMS, OBJECTIVES AND AUDIENCE

Overall aim	To outline key issues concerning the feeding of mothers, children, and adolescents, and to evaluate the effectiveness of nutrition interventions to improve maternal and child nutrition.
Intended learning outcomes	<p>By the end of this module, students should be able to:</p> <ul style="list-style-type: none">• Demonstrate an understanding of the physiological basis for nutrient requirements during pregnancy, lactation, infancy, early childhood, and adolescence• Assess the dietary needs appropriate to each stage• Summarise the key causes of low birthweight, low breast milk output, and growth faltering and debate the controversy surrounding specific nutritional interventions to address these problems• Compose appropriate nutritional advice regarding the feeding of mothers and children• Design and critically appraise a range of interventions to address current issues in maternal and child nutrition

Target audience	This module is intended for those requiring training in basic concepts and provides an update in maternal and child nutrition issues.
CONTENT	
Session content	<p>The module is expected to include sessions addressing the following topics:</p> <ul style="list-style-type: none"> • Nutritional requirements in pregnancy • The determinants of birthweight • The consequences of low birthweight • Common disorders of pregnancy • The impact of prenatal supplementation programmes to improve birthweight • Nutritional requirements of lactation • Determinants of low breast milk output • Breast feeding biology and immunology • Breast feeding promotion and support • Supplementation programmes to improve lactation • The Developmental Origins of Health and Disease (DOHAD) theory • Infant and child feeding practices in developed and developing countries • Diets and dietary requirements in adolescents • Interventions to improve these practices • Treatment of moderate and severe malnutrition • Aetiology and pathophysiology of malnutrition • Micronutrient interventions for mothers and children • Interpreting and reporting evidence on maternal and child nutrition
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. Videos and lectures will be available on Moodle.
Teaching and learning methods	The teaching methods used will be lectures, group participation, and discussions with invited experts.
Assessment details	<p>Students will be asked to interpret results from a nutrition intervention and prepare a report in the format of a paper for publication. This assessment represents 100% of the grade achievable for this module.</p> <p>Resit/deferred/new attempts - The task will be writing a short report based on a choice of one from two topics.</p>
Assessment dates	<p>Assessments will be due on the last day of the module in February 2018.</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	Monday morning to Wednesday lunchtime
Timetable slot	The module runs in LSHTM timetable slot C1
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: <ul style="list-style-type: none"> • Contact time ≈ 56 hours • Directed self-study ≈ 4 hours • Self-directed learning ≈ 40 hours • Assessment, review and revision ≈ 50 hours
APPLICATION AND ADMISSION	
Pre-requisites	None
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	25 (numbers may be capped due to limitations in facilities or staffing)
Student selection	This module is compulsory for MSc Nutrition for Global Health students. Partial Registration (partial participation) by LSHTM research degree students is allowed for this module. Preference will be given to LSHTM MSc students and LSHTM research degree students. 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.