Programme Specification

Masters Module - 19/20

Part A: Programme Summary Information

1	**Title of Programme**	**Epidemiology and Statistics**
2	**Programme Code**	PHH204

3a	**Start Date**		**3b**	**End Date**	

4a	**Home/EU Fee**		**4b**	**Overseas Fee**	
5	**Academic Credits**	20			
6	**Credit Level**	7			
7	**Module Convenor**				

Part B: Programme Aims and Outcomes

8   Overview of the Programme

The module provides you with further knowledge and practical skills in epidemiology and statistics. It will allow you to address global health issues by analysing and interpreting epidemiological data and critically appraising the quality of evidence from epidemiological studies.

This module equips you with the knowledge and more advanced practical skills in quantitative approaches that are important for the detailed exploration of global health issues. You will have the opportunity to work with epidemiological data sets, plan a strategy and conduct more advanced statistical analyses of the data using appropriate statistical software. You will also learn how to interpret and present the results. Teaching sessions typically comprise pre-recorded presentations and exercises. You will experience a range of learning approaches including the virtual and flipped classroom, problem-based group work, recorded lectures, case studies, research papers and threaded discussion boards. You will benefit from the global health research and teaching expertise within LSTM.

Topics include: Introduction to the module and scientific methods in epidemiology and statistics; Ethics; Descriptive statistics and secondary analysis of routine data; Data computation and analysis; Epidemiology and Statistics to inform global health policy; Critical appraisal of epidemiology and statistics research; Monitoring and evaluation; Working with large data sets; Policy analysis and interpretation; Systematic review skills and interpretation and application of evidence to health policy and practice.

9   Skills and Other Attributes

No.	Skill/Attribute	Mode of Assessing
1	Communicate the results of epidemiological research	Report, presentation, Formative assessment
2	Apply computational skills in data analysis	Report, Formative assessment

10   Subject Based Learning Outcomes

No.	Learning Outcome	Mode of Assessing
1	Apply epidemiological and statistical techniques to analyse and interpret data.	Report, Formative assessments
2	Design an epidemiological study to explore a health issue using appropriate quantitative methods.	Presentation, Formative assessments.
3	Critically appraise and interpret epidemiological and statistical data reported in published studies and draw appropriate inferences.	Report, Formative Assessments

11   Career Opportunities

Part C: Entrance Requirements

12   Academic Requirements

Students will have some research experience and/or a basic knowledge of research methods, epidemiological concepts, and some familiarity with type of data, interpretation of statistical tests, concepts of the distribution, chance, bias and confounding.

13   English Language Requirements

Attending course with Academic Credit
The course is taught in English. Students whose first language is not English must provide evidence of an IELTS (International English Language Testing System) score of at least 6.5 with a minimum of 5.5 in all learning components, or a TOEFL (Test of English as a Foreign Language) score of at least 88 for the Internet-based Test (iBT), with minimum scores of 21 for Listening and Writing, 22 for Reading and 23 for Speaking. Tests should be within their validity period of 2 years.

Attending course Certificate of Completion Only:
The course is taught in English and in a postgraduate setting. Students whose first language is not English should be aware that to benefit from the course participants should have English language proficiency at the equivalent of an IELTS (International English Language Testing System) score of at least 6.5.

14   Work Experience

Part E: Learning, Teaching and Assessment Strategies

16 Assessment Specifications

No.	Type	Duration	% of Final Module Mark	Due Date	Notes
1	Assignment	3000 words	75		Written report on a dataset which forms the basis of the module and the assessment. Students write a report based on the statistical analyses undertaken, highlighting the implications of the results for global health practice. Includes reflective piece.
2	Presentation	1000 words notes	25		Presentation of a quantitative research protocol to inform health policy or practice.
3					Quizzes, exercises and group tasks as well as self-assessment questions.

Part G: Diversity and Equality of Opportunity and Widening Participation

20 Diversity and Equality Statement

The programme's design, structure and content are consistent and compliant with the University's Diversity and Equality of Opportunity Policy. LSTM provides a multicultural, multidisciplinary learning environment in which all students benefit from the opportunity to share diverse experiences and outlooks, supported by staff who are themselves from a variety of national and cultural backgrounds and spend significant periods of time working overseas. LSTM recognises that some students need extra help and guidance in adjusting to a new country, culture or learning environment. Accordingly, we provide a comprehensive range of relevant non-academic student support services. The Personal Tutor System aims to provide students with advice and support in matters related to academic work and to enable the development of independent study habits suitable for higher education. Reasonable adjustments are made to assessment for disabled students in line with University of Liverpool regulations (Code of Practice on Assessment 2012-13: Appendix K).