

## Liverpool John Moores University

Title: Epidemiology  
Status: Definitive  
Code: **7017PHEALT** (120245)  
Version Start Date: 01-08-2019

Owning School/Faculty: Public Health Institute  
Teaching School/Faculty: Public Health Institute

Team	Leader
Ivan Gee	Y

**Academic Level:** FHEQ7  
**Credit Value:** 20  
**Total Delivered Hours:** 40  
**Total Learning Hours:** 200  
**Private Study:** 160

### Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	26
Online	14

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Methods E.	Essay on the suitability of different epidemiological methods for assessing factors influencing public health.	30	
Report	Surv. Rp.	Report compiling and evaluating surveillance data on an public health issue	70	

### Aims

*This module aims to provide participants with an understanding of epidemiological methods and the ability to critically evaluate epidemiological and other evidence in order to examine the health status, health determinants and health needs of*

population groups.

## Learning Outcomes

After completing the module the student should be able to:

- 1 To assess the suitability of epidemiological study designs for determining the factor(s) influencing a public health problem.
- 2 To monitor and critically evaluate population health status based on a thorough understanding of epidemiological principles and systematic health surveillance.
- 3 Analyse and synthesise data on populations in specific geographical areas to determine their health needs and assess health inequalities.

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Epidemiological methods essay	1	
Surveillance report	2	3

## Outline Syllabus

*This includes: population demographics, concepts and tools of epidemiology and measurement; overview of epidemiological study designs; establishing causation; epidemiological surveillance; evaluation of communicable and non communicable disease threats; evaluation of health inequalities; health needs assessment; epidemiology and health policy. The module will provide examples of local, national and international epidemiological studies.*

## Learning Activities

Learning will take place through formal and informal sessions involving lectures, seminars, group work, class discussions and directed reading. There will also be regular use of online discussion boards and self directed study supported by extensive online materials.

## Notes

This module examines the basic principles and tools of epidemiology and disease surveillance. These principles are then applied to and understanding of communicable and non-communicable diseases and assessment of health inequalities through tools such as health needs assessment and their role in protecting and improving population health.

Information for Stand Alone/CPD Students

**Mode and Duration:** This module is delivered through classroom and online methods. There is 26 hours of lectures and 14 hours of online activity, which includes quizzes, discussion board and email contact. The module runs for 13 weeks (Normally one semester).

**Criteria for Admission:** Normally students entering the programme will have completed an Honours degree in a relevant subject. If students have relevant experience in public health but don't have an Honours degree they can be considered for this course. Students with Dip HE in related areas and with relevant experience will also be considered for this course.

**Student Support:** as a student of Liverpool JMU you will be entitled to the same support as any other student in the university (Please refer to the Student Handbook for further information)

**Assessment:** the assessment of this module is assessed according to current guidelines within the Academic Framework

**Date of programme/module:** May 2014

**Quality Measures:** You will be invited to evaluate the module through an online survey administered by the university

**Annual Monitoring:** This module/CPD will be considered for quality purposes as part of the MSc Public Health framework Annual Monitoring Report