

Liverpool John Moores University

Title: Epidemiology
Status: Definitive
Code: **5008PUBHEA** (124907)
Version Start Date: 01-08-2021

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

Team	Leader
Ivan Gee	Y
Gordon Hay	

Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 51
Total Learning Hours: 200 **Private Study:** 149

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	38
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Unseen exam and critical appraisal of a seen paper	70	3
Presentation	Group pres	Group presentation on a study design ~20minutes	30	

Aims

This module will provide students with foundations of epidemiology, including basic concepts underpinning study design, how to pose an answerable question and to design a study to answer said question, alongside a development of critical thinking and analysis of published research articles.

Learning Outcomes

After completing the module the student should be able to:

- 1 Explain the main basic concepts within epidemiology
- 2 Identify and critically analyse the main forms of epidemiological study designs
- 3 Develop an appropriate study to answer a specific research question
- 4 Critically appraise the results of relevant studies as reported in public health literature
- 5 Understand the application of epidemiology to study a wide variety of public health situations

Learning Outcomes of Assessments

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

Unseen exam	1	2	4	5
Group presentation	3	5		

Outline Syllabus

How to formulate a question

Measures of effect

Alternative explanations: Chance, bias and confounding

Study design

Critical appraisal

Communicable disease epidemiology

Social epidemiology

Learning Activities

Mixture of lectures, class-based practicals, group work, presentations. Online resources and discussion boards will also be used.

Notes

Epidemiology is the fundamental science underpinning public health. Students will gain a thorough understanding of the conceptual basics of epidemiology and their application to study design and interpretation.

Presentation assessment: students will, in groups, design an appropriate study to tackle a public health issue. These will then be presented with both individual and group presentation marks available.