

Module code: MOD005883	Version: 4 Date Amended: 13/Oct/2023
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1. Module Title
Understanding Epidemiology

2a. Module Leader
Cataria Davis

2b. School
School of Allied Health and Social Care

2c. Faculty
Faculty of Health, Medicine and Social Care

3a. Level
4

3b. Module Type
Standard (fine graded)

4a. Credits
30

4b. Study Hours
300

5. Restrictions			
Type	Module Code	Module Name	Condition
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:	None		

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

Consider how common measures of disease morbidity and mortality (such as prevalence and incidence rates) are used to monitor the health of populations. You'll take this one step further by analysing the way in which this information, combined with basic demographic data, is used by local, national and international governments to identify public health priorities. This process will enable you to understand some of the challenges of using epidemiological data in a real life setting. You'll investigate epidemiological concepts, such as determinants of disease, disease dynamics and prevention. You'll be introduced to epidemiological study designs and download data from the World Health Organisation data repository on a specific health issue in a country of your choice. Using this data you will learn basic data analysis skills using Excel and SPSS.

6b. Outline Content

What is epidemiology?

Determinants of disease

Disease dynamics

Disease prevention (primary, secondary and tertiary)

Introductory demography

Common measures of morbidity and mortality

How to identify public health priorities

Introduction to epidemiological study designs (RCT, cross-sectional, cohort, case-control)

Data analysis using Excel and SPSS

6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

6d. Specialist Learning Resources

WHO report on 'Global Action Plan for Prevention and Control of NCD's 2013-2020'

http://apps.who.int/iris/bitstream/10665/94384/1/9789241506236_eng.pdf?ua=1&ua=1

Global population trends

<https://www.unfpa.org/data>

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Demonstrate an understanding of historical changes in the global burden of disease
2	Knowledge and Understanding	Demonstrate knowledge of how communicable and non-communicable diseases affect individuals and communities.
3	Intellectual, practical, affective and transferrable skills	Identify public health priorities in different regions of the world. Analyse factors that affect how countries respond to the threat of disease.
4	Intellectual, practical, affective and transferrable skills	Identify the methods and epidemiological information used to describe the health of a population

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2024/5	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	24	1-4	Lectures, seminars, workshops, 2 hours x 12 weeks
Other teacher managed learning	6	1-4	6 hours – (2 x 3 hour sessions)
Student managed learning	270	1-4	Assignment and class preparation
TOTAL:	300		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1-4	100 (%)	Fine Grade	30 (%)
Coursework (equivalent to 3000 words) The students will be expected to use epidemiological measures to describe a public health concern and make inferences about that population.					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:

(a) achieve the qualifying mark for each element of fine graded assessment as specified above

(b) pass any pass/fail elements

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]