



Module Specification

Quantitative Health Research (distance Learning)

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Part 1: Information

Module title: Quantitative Health Research (distance Learning)

Module code: UZVRTL-15-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Social Sciences

Partner institutions: None

Field: Health, Community and Policy Studies

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: History of epidemiology and our understanding of disease causation in populations.

Characteristics, strengths and weaknesses of epidemiological studies.

Sources of public health data.

Basic statistics – descriptive and inferential.

Introduction to statistical tests, including parametric and non-parametric.

Controlling for bias and confounding in epidemiological studies.

The concept of evidence based policy and practice.

Hierarchies of evidence.

Tools and techniques in critical appraisal.

The dissemination and communication of evidence.

Ethical issues in the use of data.

Part 3: Teaching and learning methods

Teaching and learning methods: Teaching is delivered in the format of up to 8 online lectures (delivered as audio podcasts or video capture linked with Adobe presenter or equivalent), plus online seminars and other web-based activities. Online seminar activities include student-centred active learning techniques (e.g. via Collaborate) and access to a module discussion board or blog. These are delivered via the Blackboard online learning platform.

Essential, indicative and supplementary online learning materials and resources are also provided via Blackboard, with links to online library resources.

Contact Hours: This distance learning module provides a blended learning approach

utilizing asynchronous online activities (including lectures, reading, quizzes, videos) and synchronous tutorials (seminars/discussions). Progress through the module is managed through time-dependent release of online resources to ensure structured progression through the learning materials and the synchronous activities promote development of the student-tutor relationship and encourage a cohort identity in addition to supporting core learning. Approximately 24 hours of directed study (online lectures, seminars etc.) are delivered via Blackboard.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Understand the historical basis for epidemiology in public health

MO2 Identify and critically analyse the strengths, limitations and issues to consider with different types of epidemiology studies for public health policy and practice

MO3 Demonstrate familiarity with the sources of evidence routinely used as a basis for health policy and practice, including strengths and limitations

MO4 Understand and interpret basic statistical analysis, particularly relating to inferential statistics

MO5 Critically appraise evidence used in public health, utilising various tools and techniques

MO6 Understand how evidence is used in the policy process

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 120 hours

Face-to-face learning = 30 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/uzvrtl-15-m.html) via the following link <https://uwe.rl.talis.com/modules/uzvrtl-15-m.html>

Part 4: Assessment

Assessment strategy: The Assessment Strategy has been designed to support and enhance the development of both subject-based and generic key skills, whilst ensuring that the module's Learning Outcomes are attained. The assessment comprises of multiple Choice Question Quizzes, essay and a structured online test.

This three part assessment is an innovative and suitable form of assessment as it enables students to i) develop a deep understanding of epidemiology and its significance to improving the public health ii) increase their understanding and develop their competence around key approaches to quantitative research. It assesses all the specific module learning outcomes in addition to the CIEH Knowledge and Skills domains.

The following assessment details will be published in the module handbook at the start of the module. There will be three summative assessment tasks. Two are unseen and completed online, embedded within the module to provide a sufficient level of control:

Assessment Task 1. Online Multiple Choice Question (MCQ) quizzes will assess understanding of epidemiological definitions and concepts

Assessment Task 2. A structured online test (50 minutes towards the end of the course) will assess interpretation of results (table/graph/text)

Assessment Task 3. A 1,500 word essay will assess understanding of more complex epidemiological issues, and the ability to apply these to real examples

Formative Assessment:

Opportunities exist for formative assessment in the module, through online quizzes, Blackboard collaborate sessions and individual feedback.

Full details can be found in the Module Handbook and on the module's Blackboard site.

Assessment tasks:**Examination (First Sit)**

Description: Structured on-line test

Weighting: 42 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO4, MO5

Examination (First Sit)

Description: Online multiple choice questions

Weighting: 28 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3

Written Assignment (First Sit)

Description: Essay assignment (1500 words)

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO6

Examination (Resit)

Description: Structured on-line test

Weighting: 42 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO4, MO5

Examination (Resit)

Description: Online multiple choice questions

Weighting: 28 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3

Written Assignment (Resit)

Description: Essay assignment (1500 words)

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO6

Part 5: Contributes towards

This module contributes towards the following programmes of study: