

Summary Information

Module Code	5004ENVCPH
Formal Module Title	Research Methods for Environmental Health
Owning School	Public Health Institute
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ivan Gee	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Lorna Porcellato	Yes	N/A
Conan Leavey	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
Public Health Institute

Learning Methods

Learning Method Type	Hours
Lecture	44
Tutorial	4

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	This module aims to provide students with an introduction to the methods of qualitative and quantitative data collection and analysis, as well as enabling students to critically evaluate the strengths and weaknesses of published research papers.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Critically evaluate published research.
MLO2	Determine appropriate research questions and hypotheses
MLO3	Select and apply relevant tools for qualitative and quantitative data collection and analysis.
MLO4	Apply ethical principles to the design of a research project
MLO5	Combine the skills and knowledge gained to construct a research proposal.

Module Content

Outline Syllabus
1. Research paradigms and approaches 2. Conducting a literature search and critical review 3. Determining and suitable research questions and hypotheses 4. Qualitative and quantitative data collection methods and instruments e.g. survey, interview, questionnaire, observation, focus groups, experiments and analytic study design 5. Statistical methods of data analysis: descriptive statistics, correlations & hypothesis testing 6. Analysis of qualitative data 7. Ethics in research 8. Preparing a research proposal

Module Overview

This module aims to provide you with an introduction to the methods of qualitative and quantitative data collection and analysis, as well as enabling you to critically evaluate the strengths and weaknesses of published research papers.

Additional Information

This module is designed to provide students with the skills, knowledge and understanding of the ways in which environmental health research is undertaken. It does this by providing students with an understanding of the various approaches and methodologies that are used in environmental health research, and of the process of critically appraising the research of others and applying the results of this appraisal to their own knowledge-base.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	2500 word research proposal	60	0	MLO3, MLO5, MLO1, MLO4, MLO2
Centralised Exam	2 hour exam	40	2	MLO3, MLO1, MLO2