Module specification

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Module code	HLT625
Module title	Working with Public Health Data
Level	6
Credit value	20
Faculty	SLS
Module Leader	Dr Sharon Wheeler
HECoS Code	100473
Cost Code	GAHW

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc(Hons) Public Health and Wellbeing	Core

Pre-requisites

None.

Breakdown of module hours

Learning and teaching hours	24 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	**24 hrs**
Placement / work based learning	0 hrs
Guided independent study	176 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	6th December 2021
With effect from date	September 2022
Date and details of revision	
Version number	1

Module aims

This module will enable students to understand and work with a range of public health data. It will situate public health data in social, economic and ethical contexts, and discuss the nature and value of different kinds of data. Students will have the opportunity to work with 'real' secondary data and disseminate their 'findings' via a recognised data communication, such a Health Impact Assessments (HIAs), community health profile or community asset map.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Critically explain the value and uses of public health data.
2	Critically appraise the social, economic and ethical contexts and debates within which public health data are situated.
3	Locate relevant public health data from databases and observatories.
4	Work with 'live' secondary public health data to produce a recognised data communication.

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Students will be required to collect 'live' secondary public health data from databases and observatories and disseminate their 'findings' via a recognised data communication (e.g. Health Impact Assessment (HIA), community health profile, or community asset map).

Students will set the parameters for the task; for example, choosing a policy to complete a HIA for or a community to profile or develop an asset map for. They will also choose whether to present their data communication in **either** a verbal or written format as noted below:

- 20-minute presentation.
  OR
- 3,000-word report.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2, 3, 4	Coursework	100%

Derogations

None.

Learning and Teaching Strategies

The learning and teaching strategy for this module follows WGU's Active Learning Framework. Students are required to attend 'synchronous' workshops that will include the delivery of module content alongside individual and group discussions and tasks. They are also required to complete 'asynchronous' directed study tasks provided on the Virtual Learning Environment (VLE), such as watching recorded lectures, engaging with discussion forums, and undertaking quizzes, individual and group tasks, key readings and reflective activities.

Indicative Syllabus Outline

- Applied epidemiology
- Public health surveillance
- Data sets, bases and observatories
- Health Impact Assessments (HIAs)
- Community profiling and asset mapping
- Using data software packages (e.g. NVivio and Excel)
- Health 4.0
- Technology, artificial intelligence and applications (apps)
- Data capitalism, ethics and privacy
- How data translates to practice

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

Nelson, D., Hesse, B. and Croyle, R. (2009), *Making Data Talk: Communicating Public Health Data to the Public, Policy Makers, and the Press*. Oxford: Oxford University Press.

Other indicative reading

Francis, G. and Francis, L. (2021), *Sustaining Surveillance: The Importance of Information for Public Health*. Springer.

Landau, S. (2021), *People Count: Contact-Tracing Apps and Public Health*. MIT Press.

Landrigan, P. and Vicini, A. (2021), *Ethical Challenges in Global Public Health*. Pickwick Publications.

Public Health Wales Observatory: https://phw.nhs.wales/services-and-teams/observatory/

Somerville, M., Kumaran, K. and Anderson, R. (2015), *Public Health and Epidemiology at a Glance*. Oxford: Wiley Blackwell.

Employability skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes
Engaged
Enterprising
Creative
Ethical

Key Attitudes
Commitment
Curiosity
Resilience
Confidence
Adaptability

Practical Skillsets
Digital Fluency
Organisation
Leadership and Team working
Critical Thinking
Emotional Intelligence
Communication