

## Liverpool John Moores University

Title: PHI 1: INTRODUCTION TO PUBLIC HEALTH INTELLIGENCE  
Status: Definitive  
Code: **7006PHEALT** (106934)  
Version Start Date: 01-08-2014

Owning School/Faculty: Centre for Public Health  
Teaching School/Faculty: Centre for Public Health

Team	Leader
Ivan Gee	Y

**Academic Level:** FHEQ7      **Credit Value:** 15.00      **Total Delivered Hours:** 24.00  
**Total Learning Hours:** 150      **Private Study:** 126

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	12.000
Practical	12.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Reflection	Report explaining the role(s) of a public health analyst and discussing key tools used in Public Health Intelligence (PHI)	40.0	
Report	Analysis	Excel/Access based project involving data collection, organisation, analysis and presentation	60.0	

### Aims

*To develop an understanding of the role of a public health analyst and to develop fundamental skills in data management and manipulation.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Critically assess the role(s) of a public health analyst
- 2 Evaluate the range of tools used in public health intelligence
- 3 Apply methodological rigour to the management and analysis of public health data

## Learning Outcomes of Assessments

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

Reflection on PHI role	1	2
Data analysis	2	3

## Outline Syllabus

*What is public health? What is public health intelligence? Introduction to JSNA, HNA, WCC etc, Surveillance methods, public health data sources, fundamental statistics and public health indicators (distributions, measures of central tendency, incidence and prevalence, deprivation index etc). Populations and demographics, geographical information. Access and excel skills development. Presenting public health information.*

## Learning Activities

Interactive lectures and seminars, computer laboratory workshop sessions.

## References

<b>Course Material</b>	Book
<b>Author</b>	APHO
<b>Publishing Year</b>	2007
<b>Title</b>	Information Briefing 1: Health Profiles
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	APHO
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	APHO
<b>Publishing Year</b>	2008
<b>Title</b>	Technical Briefing 3
<b>Subtitle</b>	Commonly Used Public Health Statistics and their

	Confidence Intervals
<b>Edition</b>	
<b>Publisher</b>	APHO
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	DoH
<b>Publishing Year</b>	2009
<b>Title</b>	Health Knowledge
<b>Subtitle</b>	<a href="http://www.healthknowledge.org.uk/">http://www.healthknowledge.org.uk/</a>
<b>Edition</b>	
<b>Publisher</b>	DoH
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Donaldson & Donaldson
<b>Publishing Year</b>	2003
<b>Title</b>	Essential Public Health.
<b>Subtitle</b>	
<b>Edition</b>	2nd ed
<b>Publisher</b>	Petroc Press
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Gillam et al
<b>Publishing Year</b>	2007
<b>Title</b>	Essential Public Health Theory and Practice
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Petrie & Sabin
<b>Publishing Year</b>	2009
<b>Title</b>	Medical Statistics at a glance
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	John Wiley & Sons
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Killoran, Swann & Kelly
<b>Publishing Year</b>	2006
<b>Title</b>	Public health evidence: tackling health inequalities
<b>Subtitle</b>	
<b>Edition</b>	

<b>Publisher</b>	Oxford Univerisity Press
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Gerstman
<b>Publishing Year</b>	2008
<b>Title</b>	Basic biostatistics: statistic for public health practice
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Jones and Bartlett
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Scott and Mazhindu
<b>Publishing Year</b>	2005
<b>Title</b>	Statistics for healthcare professionals
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Sage
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Stewart & Cornish
<b>Publishing Year</b>	2009
<b>Title</b>	Professional Practice in Public Health
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Reflect Press
<b>ISBN</b>	

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## Notes

The module will provide students with an understanding of the role(s) of a public health analyst within PHI teams and opportunities to develop fundamental skills in data collection, organisation, analysis and presentation. The assessments will allow students to explore the role of analysts in their own and other organisations and will provide an opportunity to work with data relevant to their workplace.