

Module Details	
Module Title:	Applied Epidemiology for Health, Wellbeing and Social Care
Module Code:	HWS5011-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Nursing and Healthcare Leadership
Subject Area:	Health, Well-Being and Social Care
FHEQ Level:	FHEQ Level 5
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	24
Seminar	24
Directed Study	152

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims
To provide students with an applied understanding of epidemiological health indicators, study designs, and statistical aspects of epidemiological studies.

Outline Syllabus
Sources of routine Public Health Data (Census, Vital statistics, mortality and morbidity statistics). Epidemiological study designs (cross-sectional surveys, intervention studies, cohort studies and case-control studies). Measures of disease frequency (incidence, prevalence, crude and specific rates, standardisation, relative and attributable risk, odds ratios). Bias and confounding in epidemiological research. Sensitivity, specificity. Evaluation of population screening process. The impact of epidemiology on national and local policy. The influence of epidemiology on

ethical and professional issues.

Learning Outcomes

1	Knowledge & Understanding 1a. Discuss the contribution that the discipline of epidemiology makes to informing Health, Wellbeing & Social Care policies and practices; 1b. Discuss ways of expressing health risk, occurrence of illness, and associated factors, including standardisation.
2	Subject-Specific Skills 2a. Demonstrate an understanding of various approaches of epidemiological study designs and the advantages and disadvantages of each approach; 2b. Apply relevant principles of epidemiological practice to evaluate the health of populations and communities; 2c. Explain approaches for dealing with confounding and bias in epidemiological studies and population health screening.
3	Personal Transferable Skills 3a. Apply epidemiological information and data gathered from a range

Learning, Teaching and Assessment Strategy

The module will be delivered using research informed key lectures, seminars, group work and individual tutorials providing students with the opportunity to acquire the information in order to enhance their knowledge in relation to interpreting epidemiology studies (LO 1a, 1b, 2a, 2b, 2c). Use will be made of the VLE to complement technology enhanced learning in the classroom and will provide access to relevant web sites and e-learning resources (LO 1a, 1b, 2a, 2c). Case scenarios/studies will enable students to explore, interpret and evaluate outcomes of health needs assessments and community profiles (LO 1b, 2b, 2c). Directed study will enable students to develop and expand their knowledge and understanding by undertaking reading of key texts to support preparation for the summative assessment seen exam (LO 1a, 1b, 2a, 2b, 2c). Formative assessment will be provided by revision and mock exam practice and feedback will be available at individual and group tutorials.

Summative examination - open book or seen paper (LO 1a, 1b, 2a, 2b, 2c).

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Examination - open book or seen paper	Seen exam	2 hours	100%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.