

Module Details	
Module Title:	Special Studies 2
Module Code:	CLS5005-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Clinical Sciences
FHEQ Level:	FHEQ Level 5
Pre-requisites:	Cardiovascular, Respiratory and Renal Systems 2018-19, Integrated Medical Sciences 2018-19, Nutrition and Energy 2018-19, Personal and Professional Development, Society and Health 2018-19, Special Studies 1 2018-19
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	16
Practical classes and workshops	20
Tutorials	4
Directed Study	160

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims
To provide an epidemiological perspective to health-related research and enquiry based learning. To consolidate your research and analysis skills and to make objective conclusions from conflicting evidence. To study the relationship between cause and effect. To allow you to direct your own research and enable you to acquire new knowledge and understanding in a defined area.

Outline Syllabus

Managing and understanding information; Medical Information management. Introduction to statistical analysis of data. Probability and distributions. Estimation of population means and proportions, confidence intervals, normal and t-distributions. Non-parametric data.

Epidemiology and Public Health - Introduction to epidemiology. Methodologies used in epidemiological studies. Understanding and using epidemiological data. Ethics and healthcare provision. Evidence-based medicine. Principles of public health medicine.

Each student will work under the supervision of supervisor on a chosen topic from a wide range of scientific, medical and health-related areas.

Learning Outcomes

1	Use epidemiological data to describe health, assess causes of disease and evaluate treatments and understand the principles of public health medicine and health promotion.
2	Research, evaluate and appraise an appropriate subject area of your choice.
3	Apply statistical analysis to laboratory and clinical data
4	Use independent learning skills to research, review and analyse science and health-related literature.
5	Reflect on your own personal and professional development
6	Employ verbal, written, numerical and IT skills to acquire, develop, present and analyse information.

Learning, Teaching and Assessment Strategy

You will use collaborative and independent learning to develop your research and analysis skills in your directed study time. You will work in groups to formulate research questions, analyse research papers and investigate the underlying science behind media reports. You will undertake an evaluative analysis of a selected topic under the guidance of supervisors who will provide feedback on the topic, your plan and draft. This will be supported by lectures on the underpinning theory of epidemiology and tutorials, debates and workshops to develop your statistical and reflective analysis. Formative assessments will be used to monitor your progress. Your written report and statistical analysis will be summatively assessed.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Written Coursework including statistical and critical analysis	-1200 words	30%
Summative	Coursework	A written report	-2800 words	70%

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.