

Special Studies 2

Module Code:	CLS5005-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Clinical Sciences
FHEQ Level:	FHEQ Level 5
Module Leader:	Dr Stacy-Paul Wilshaw

Additional Tutors:
Dr Krzysztof Poterlowicz

Pre-requisites:	Special Studies 1 2017-18
Co-requisites:	

Contact Hours

Type	Hours
Lectures	12
Practical classes and	25
Tutorials	2
Directed Study	161

Availability Periods

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

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 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 report. 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	Final Assess'
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Summative	Coursework	Written Coursework including statistical and critical analysis	0-1200 words	30%	No
Summative	Coursework	A written report	0-2800 words	70%	Yes

Legacy Code (if applicable)

CS-5004L

Reading List

To view Reading List, please go to [rebus:list](#).