

Mathematics and Statistics Skills for Higher Education

Module Code:	SAC3017-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Social Sciences
Subject Area:	Sociology and Criminology
FHEQ Level:	FHEQ Level 3

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Tutorials	24
Directed Study	176

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

You will develop your numerical, mathematical and statistical skills and knowledge to enable you to use them more effectively and confidently within your studies in higher education. Skills will include basic calculations, problem solving, use of algebra, understanding and presenting statistical information and reflecting on your own learning process and experience.

Outline Syllabus

Fractions, percentages, decimals, measures, algebra, shape and space, data and statistical measures, probability, use of calculators, use of tables, charts, diagrams and line graphs, financial applications, problem solving, personal reflection and thinking skills.

Module Learning Outcomes

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

- 1 Perform basic calculations
- 2 Solve numerical problems
- 3 Use and manipulate algebra in various scenarios
- 4 Apply standard formulae to financial problems
- 5 Use and understand statistical techniques
- 6 Recognise the use of probability in research applications
- 7 Identify personal learning needs and take action to improve

Learning, Teaching and Assessment Strategy

Seminars will be used together with directed study to support the achievement of all LOs.

Teaching will be underpinned by activity based learning, with active promotion of personal reflection. Teaching material will seek to promote intercultural awareness and the application of statistics to understanding society.

The achievement of all LOs will be assessed by 75% examination and 25% reflective journal.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - closed book	Test in Mathematics and Statistic skills	1.5 hours	75%	Yes
Summative	Coursework	Reflective Journal	0-1000 words	25%	No

Legacy Code (if applicable)

SJ-3011D

Reading List

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