MODULE DESCRIPTOR

Module Title

Research Skills

Reference	ASM403	Version	1
Created	February 2020	SCQF Level	SCQF 11
Approved	August 2020	SCQF Points	15
Amended		ECTS Points	7.5

Aims of Module

To enable students to demonstrate professional skills in the design, analysis, interpretation and critical appraisal of research studies.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Critically evaluate the principles of study design, including observational and experimental studies.
2	Recognise the importance of research governance and integrity, including research ethics.
3	Analyse, present, interpret and report data using appropriate qualitative and/or quantitative techniques.

Indicative Module Content

Study design including qualitative and quantitative research methodologies, animal and cellular models, sample selection, questionnaire design, bias, confounding, validity, accuracy, calibration, precision, replicability, and critical appraisal of the literature. Compliance with research ethics and research governance framework, protocols, information sheets, consent forms, good clinical practice, and intellectual property issues. Data management, statistical analysis methods, data presentation and interpretation.

Module Delivery

Online learning supported by directed reading, problem-based study materials, and contact / structured discussion with peers and academic staff. 'Contact Hours' included in 'Indicative Student Workload' represent online discussions and other online interactions.

Indicative Student Workload	Full Time	Part Time
Contact Hours	12	12
Non-Contact Hours	138	138
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

| Type: | Coursework | Weighting: | 100% | Outcomes Assessed: | 1, 2, 3 |
| Description: | Report. | | | | |

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

This module is assessed using the one component of assessment as detailed in the Assessment Plan. To pass this module, students much achieve a Module Grade of D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A mark for C1 of 70% or more.
B	A mark for C1 between 60 and 69%.
C	A mark for C1 between 50 and 59%.
D	A mark for C1 between 40 and 49%.
E	MARGINAL FAIL. A mark for C1 between 35 and 39%.
F	FAIL. A mark for C1 of less than 35%.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1	CAMPBELL, M.J. and SWINSCOW, T.D.V., 2009. *Statistics at square one.* 11th ed. Hoboken: Wiley.
2	COGGON, D., ROSE, G. and BARKER, D.J.P., 2003. *Epidemiology for the uninitiated.* 5th ed. London: BMJ.
3	LOVEGROVE, J.A. et al., eds., 2015. *Nutrition research methodologies.* Chichester: Wiley Blackwell.
4	LUNE, H. and BERG, B.L., 2017. *Qualitative research methods for the social sciences.* 9th ed. Harlow, England: Pearson.